

CONSOLIDATED EDISON INC

Form 10-K

February 15, 2018

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-K

x Annual Report Pursuant To Section 13 or 15(d) of the Securities Exchange Act of 1934
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2017

OR

.. Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934
For the transition period from _____ to _____

Commission File Number 1-14514

Consolidated Edison, Inc.

Exact name of registrant as specified in its charter
and principal office address and telephone number

New York 13-3965100

State of Incorporation I.R.S. Employer
ID. Number

4 Irving Place,
New York, New York 10003
(212) 460-4600

Commission File Number 1-1217

Consolidated Edison Company of New York, Inc.
Exact name of registrant as specified in its charter
and principal office address and telephone number

New York 13-5009340

State of Incorporation I.R.S. Employer
ID. Number

4 Irving Place,
New York, New York 10003
(212) 460-4600

Securities Registered Pursuant to Section 12(b) of the Act:

Title of each class	Name of each exchange on which registered
---------------------	--

Consolidated Edison, Inc., Common Shares (\$.10 par value)	New York Stock Exchange
---	-------------------------

CON EDISON ANNUAL REPORT 2017 1

Securities Registered Pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Consolidated Edison, Inc. (Con Edison) Yes No

Consolidated Edison Company of New York, Inc. (CECONY) Yes No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act.

Con Edison Yes No

CECONY Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Con Edison Yes No

CECONY Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Con Edison Yes No

CECONY Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§ 229.405 of this chapter) is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer", "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Con Edison

Large accelerated filer Accelerated filer Non-accelerated filer

Smaller reporting company Emerging growth company

CECONY

Large accelerated filer Accelerated filer Non-accelerated filer

Smaller reporting company Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act).

Con Edison Yes No

CECONY Yes No

The aggregate market value of the common equity of Con Edison held by non-affiliates of Con Edison, as of June 30, 2017, was approximately \$24.7 billion.

As of January 31, 2018, Con Edison had outstanding 310,397,070 Common Shares (\$.10 par value).

All of the outstanding common equity of CECONY is held by Con Edison.

Documents Incorporated By Reference

Portions of Con Edison's definitive proxy statement for its Annual Meeting of Stockholders to be held on May 21, 2018, to be filed with the Commission pursuant to Regulation 14A, not later than 120 days after December 31, 2017, is incorporated in Part III of this report.

Filing Format

This Annual Report on Form 10-K is a combined report being filed separately by two different registrants: Consolidated Edison, Inc. (Con Edison) and Consolidated Edison Company of New York, Inc. (CECONY). CECONY is a wholly-owned subsidiary of Con Edison and, as such, the information in this report about CECONY also applies to Con Edison. CECONY meets the conditions set forth in General Instruction (I)(1)(a) and (b) of Form 10-K and is therefore filing this Form 10-K with the reduced disclosure format.

As used in this report, the term the "Companies" refers to Con Edison and CECONY. However, CECONY makes no representation as to the information contained in this report relating to Con Edison or the subsidiaries of Con Edison other than itself.

CON EDISON ANNUAL REPORT 2017 3

Glossary of Terms

The following is a glossary of abbreviations or acronyms that are used in the Companies' SEC reports:

Con Edison Companies

Con Edison	Consolidated Edison, Inc.
CECONY	Consolidated Edison Company of New York, Inc.
Clean Energy Businesses	Con Edison Clean Energy Businesses, Inc., together with its subsidiaries
Con Edison Development	Consolidated Edison Development, Inc.
Con Edison Energy	Consolidated Edison Energy, Inc.
Con Edison Solutions	Consolidated Edison Solutions, Inc.
Con Edison Transmission	Con Edison Transmission, Inc., together with its subsidiaries
CET Electric	Consolidated Edison Transmission, LLC
CET Gas	Con Edison Gas Pipeline and Storage, LLC
O&R	Orange and Rockland Utilities, Inc.
Pike	Pike County Light & Power Company
RECO	Rockland Electric Company
The Companies	Con Edison and CECONY
The Utilities	CECONY and O&R

Regulatory Agencies, Government Agencies and Other Organizations

EPA	U.S. Environmental Protection Agency
FASB	Financial Accounting Standards Board
FERC	Federal Energy Regulatory Commission
IASB	International Accounting Standards Board
IRS	Internal Revenue Service
NJBPU	New Jersey Board of Public Utilities
NJDEP	New Jersey Department of Environmental Protection
NYISO	New York Independent System Operator
NYPA	New York Power Authority
NYSDEC	New York State Department of Environmental Conservation
NYSERDA	New York State Energy Research and Development Authority
NYSPSC	New York State Public Service Commission
NYSRC	New York State Reliability Council, LLC
PJM	PJM Interconnection LLC
SEC	U.S. Securities and Exchange Commission

Accounting

AFUDC	Allowance for funds used during construction
ASU	Accounting Standards Update
GAAP	Generally Accepted Accounting Principles in the United States of America
LILO	Lease In/Lease Out
OCI	Other Comprehensive Income
VIE	Variable Interest Entity

Environmental

CO2	Carbon dioxide
GHG	Greenhouse gases
MGP Sites	Manufactured gas plant sites
PCBs	Polychlorinated biphenyls
PRP	Potentially responsible party
RGGI	Regional Greenhouse Gas Initiative
Superfund	Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980 and similar state statutes

Units of Measure

AC	Alternating current
Bcf	Billion cubic feet
Dt	Dekatherms
kV	Kilovolt
kWh	Kilowatt-hour
MDt	Thousand dekatherms
MMlb	Million pounds
MVA	Megavolt ampere
MW	Megawatt or thousand kilowatts
MWh	Megawatt hour

Other

AMI	Advanced metering infrastructure
COSO	Committee of Sponsoring Organizations of the Treadway Commission
DER	Distributed energy resources
EGWP	Employer Group Waiver Plan
Fitch	Fitch Ratings
LTIP	Long Term Incentive Plan
Moody's	Moody's Investors Service
REV	Reforming the Energy Vision
S&P	S&P Global Ratings
TCJA	The federal Tax Cuts and Jobs Act of 2017, as enacted on December 22, 2017
VaR	Value-at-Risk

TABLE OF CONTENTS

	PAGE
<u>Introduction</u>	<u>7</u>
<u>Available Information</u>	<u>9</u>
<u>Forward-Looking Statements</u>	<u>9</u>
<u>Non-GAAP Financial Measure</u>	<u>10</u>
<u>Part I</u>	
Item 1: <u>Business</u>	<u>13</u>
Item 1A: <u>Risk Factors</u>	<u>40</u>
Item 1B: <u>Unresolved Staff Comments</u>	<u>43</u>
Item 2: <u>Properties</u>	<u>43</u>
Item 3: <u>Legal Proceedings</u>	<u>44</u>
Item 4: <u>Mine Safety Disclosures</u>	<u>44</u>
<u>Executive Officers of the Registrant</u>	<u>45</u>
<u>Part II</u>	
Item 5: <u>Market for the Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities</u>	<u>46</u>
Item 6: <u>Selected Financial Data</u>	<u>47</u>
Item 7: <u>Management's Discussion and Analysis of Financial Condition and Results of Operations</u>	<u>48</u>
Item 7A: <u>Quantitative and Qualitative Disclosures about Market Risk</u>	<u>80</u>
Item 8: <u>Financial Statements and Supplementary Data</u>	<u>81</u>
Item 9: <u>Changes in and Disagreements with Accountants on Accounting and Financial Disclosure</u>	<u>164</u>
Item 9A: <u>Controls and Procedures</u>	<u>164</u>
Item 9B: <u>Other Information</u>	<u>164</u>
<u>Part III</u>	
Item 10: <u>Directors, Executive Officers and Corporate Governance</u>	<u>165</u>
Item 11: <u>Executive Compensation</u>	<u>165</u>
Item 12: <u>Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters</u>	<u>165</u>
Item 13: <u>Certain Relationships and Related Transactions, and Director Independence</u>	<u>165</u>
Item 14: <u>Principal Accounting Fees and Services</u>	<u>165</u>
<u>Part IV</u>	
Item 15: <u>Exhibits and Financial Statement Schedules</u>	<u>167</u>
Item 16: <u>Form 10-K Summary</u>	<u>172</u>
<u>Signatures</u>	<u>173</u>

6CON EDISON ANNUAL REPORT 2017

Introduction

This introduction contains certain information about Con Edison and its subsidiaries, including CECONY. This introduction is not a summary and should be read together with, and is qualified in its entirety by reference to, the more detailed information appearing elsewhere or incorporated by reference in this report.

Con Edison's mission is to provide energy services to our customers safely, reliably, efficiently and in an environmentally sound manner; to provide a workplace that allows employees to realize their full potential; to provide a fair return to our investors; and to improve the quality of life in the communities we serve. The company has ongoing programs designed to support its mission, including initiatives focused on safety, operational excellence, the customer experience and cost optimization.

Con Edison is a holding company that owns:

- Consolidated Edison Company of New York, Inc. (CECONY), which delivers electricity, natural gas and steam to customers in New York City and Westchester County;

- Orange & Rockland Utilities, Inc. (O&R), which together with its subsidiary, Rockland Electric Company, delivers electricity and natural gas to customers primarily located in southeastern New York State and northern New Jersey (O&R, together with CECONY referred to as the Utilities);

- Con Edison Clean Energy Businesses, Inc., which through its subsidiaries develops, owns and operates renewable and energy infrastructure projects and provides energy-related products and services to wholesale and retail customers (Con Edison Clean Energy Businesses, Inc., together with its subsidiaries referred to as the Clean Energy Businesses); and

- Con Edison Transmission, Inc., which through its subsidiaries invests in electric and gas transmission projects (Con Edison Transmission, Inc., together with its subsidiaries referred to as Con Edison Transmission).

Con Edison anticipates that the Utilities, which are subject to extensive regulation, will continue to provide substantially all of its earnings over the next few years. The Utilities have approved rate plans that are generally designed to cover each company's cost of service, including capital and other costs of each company's energy delivery systems. The Utilities recover from their full-service customers (who purchase energy from them), generally on a current basis, the cost the Utilities pay for energy and charge all of their customers the cost of delivery service. See "Utility Regulation" in Item 1, "Risk Factors" in Item 1A and "Rate Plans" in Note B to the financial statements in Item 8.

Selected Financial Data

Con Edison

	For the Year Ended December 31,				
(Millions of Dollars, except per share amounts)	2013	2014	2015	2016	2017
Operating revenues	\$12,354	\$12,919	\$12,554	\$12,075	\$12,033
Energy costs	4,054	4,513	3,716	3,088	2,625
Operating income	2,244	2,209	2,427	2,575	2,610
Net income	1,062	1,092	1,193	1,245	1,525 (g)
Total assets (e)(f)	40,451	44,071	(a)45,642	(b)48,255	(c)48,111 (d)
Long-term debt (e)	10,415	11,546	12,006	14,735	14,731
Total equity	12,245	12,585	13,061	14,306	15,425
Net Income per common share – basic	\$3.62	\$3.73	\$4.07	\$4.15	\$4.97
Net Income per common share – diluted	\$3.61	\$3.71	\$4.05	\$4.12	\$4.94
Dividends declared per common share	\$2.46	\$2.52	\$2.60	\$2.68	\$2.76
Book value per share	\$41.81	\$42.97	\$44.50	\$46.91	\$49.72
Average common shares outstanding (millions)	293	293	293	300	307
Stock price low	\$54.33	\$52.23	\$56.86	\$63.47	\$72.13
Stock price high	\$63.66	\$68.92	\$72.25	\$81.88	\$89.70

(a)

Reflects a \$2,116 million increase in regulatory assets for unrecognized pension and other postretirement costs and a \$1,391 million increase in net plant. See Notes B, E and F to the financial statements in Item 8.

(b) Reflects a \$2,382 million increase in net plant offset by a \$970 million decrease in regulatory assets for unrecognized pension and other postretirement costs. See Notes B, E and F to the financial statements in Item 8.

- (c) Reflects a \$3,007 million increase in net plant offset by a \$1,002 million decrease in regulatory assets for unrecognized pension and other postretirement costs. See Notes B, E and F to the financial statements in Item 8.
- Reflects a \$2,384 million increase in net plant, offset by decreases in regulatory assets resulting from the enactment of the federal Tax Cuts and Jobs Act of 2017, as enacted on December 22, 2017 (TCJA) of \$2,418 million
- (d) (including the netting of \$1,168 million against the regulatory liability for future income tax) and unrecognized pension and other postretirement costs of \$348 million. See Notes B, E, F and L to the financial statements in Item 8.
- Reflects \$74 million and \$85 million in 2013 and 2014, respectively, related to the adoption of Accounting
- (e) Standards Update (ASU) No. 2015-03, “Interest - Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs.”
- (f) Reflects \$122 million and \$152 million in 2013 and 2014, respectively, related to the adoption of ASU No. 2015-17, “Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes.”
- Upon enactment of the TCJA, Con Edison re-measured its deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. As a result, Con Edison decreased its net deferred tax liabilities by \$5,312 million, recognized \$259 million (or \$0.85 per share) in net income, decreased its regulatory asset for
- (g) future income tax by \$1,250 million, decreased its regulatory asset for revenue taxes by \$90 million, and accrued a regulatory liability for federal income tax rate change of \$3,713 million. See “Other Regulatory Matters” in Note B and Note L to the financial statements in Item 8.

CECONY

For the Year Ended December 31,

(Millions of Dollars)	2013	2014	2015	2016	2017
Operating revenues	\$10,430	\$10,786	\$10,328	\$10,165	\$10,468
Energy costs	2,873	2,985	2,304	2,059	2,141
Operating income	2,060	2,139	2,247	2,262	2,405
Net income	1,020	1,058	1,084	1,056	1,104
Total assets (e)(f)	36,095	39,443	(a)40,230	(b)40,856	(c)40,451 (d)
Long-term debt (e)	9,303	10,788	10,787	12,073	12,065
Shareholder’s equity	10,847	11,188	11,415	11,829	12,439

- (a) Reflects a \$1,999 million increase in regulatory assets for unrecognized pension and other postretirement costs and a \$1,440 million increase in net plant. See Notes B, E and F to the financial statements in Item 8.
- (b) Reflects a \$1,725 million increase in net plant and a \$912 million decrease in regulatory assets for unrecognized pension and other postretirement costs. See Notes B, E and F to the financial statements in Item 8.
- (c) Reflects a \$1,804 million increase in net plant and a \$967 million decrease in regulatory assets for unrecognized pension and other postretirement costs. See Notes B, E and F to the financial statements in Item 8.
- (d) Reflects a \$2,090 million increase in net plant, offset by decreases in regulatory assets resulting from the enactment of the TCJA of \$2,305 million (including the netting of \$1,123 million against the regulatory liability for future income tax) and unrecognized pension and other postretirement costs of \$354 million. See Notes B, E, F and L to the financial statements in Item 8.
- (e) Reflects \$63 million and \$76 million in 2013 and 2014, respectively, related to the adoption of ASU No. 2015-03, “Interest - Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs.”
- (f) Reflects \$100 million and \$118 million in 2013 and 2014, respectively, related to the adoption of ASU No. 2015-17, “Income Taxes (Topic 740): Balance Sheet Classification of Deferred Taxes.”

Significant 2017 Developments and Outlook

Con Edison reported 2017 net income of \$1,525 million or \$4.97 a share compared with \$1,245 million or \$4.15 a share in 2016. Adjusted earnings were \$1,264 million or \$4.12 a share in 2017 compared with \$1,198 million or \$3.99 a share in 2016. See “Results of Operations” in Item 7 and “Non-GAAP Financial Measure” below.

In 2017, the Utilities invested \$3,093 million to upgrade and reinforce their energy delivery systems, Con Edison Transmission invested \$66 million in electric transmission and gas pipeline and storage businesses and the Clean Energy Businesses invested \$447 million primarily in renewable electric production projects. See "Capital Requirements and Resources" in Item 1 and Note U to the financial statements in Item 8.

In 2018, the Utilities expect to invest \$3,209 million for their energy delivery systems, Con Edison Transmission expects to invest \$360 million in gas pipeline businesses and the Clean Energy Businesses expect to invest \$400 million in renewable electric production projects. Con Edison plans to meet its 2018 capital requirements through internally-generated funds and the issuance of securities. The company's plans include the issuance of between \$1,300 million and \$1,800 million of long-term debt at the Utilities, and the issuance of additional debt secured by its renewable electric production projects. The plans also include the issuance of up to \$450 million of common equity in addition to equity under its dividend reinvestment, employee stock purchase and long term incentive plans. The plans do not reflect the provision to the Utilities' customers of any of the benefits of the federal Tax Cuts and Jobs Act of 2017, as enacted on December 22, 2017 (TCJA) that the New York State Public Service Commission (NYSPSC) and the New Jersey Board of Public Utilities (NJBPU) may require to be provided. See "Changes to Tax Laws Could Adversely Affect the Companies" in Item 1A, "Other Regulatory

8 CON EDISON ANNUAL REPORT 2017

Matters” in Note B and Note L to the financial statements in Item 8. See “Capital Requirements and Resources” in Item 1.

CECONY forecasts average annual growth in peak demand in its service area at design conditions over the next five years for electric and gas to be approximately 0.1 percent and 1.2 percent, respectively, and an average annual decrease in steam peak demand in its service area at design conditions over the next five years to be approximately 0.5 percent. O&R forecasts average annual growth in electric peak demand in its service area at design conditions over the next five years to be flat and average annual growth in gas peak demand in its service area over the next five years at design conditions to be approximately 0.3 percent. See “The Utilities” in Item 1.

In 2017, the NYSPSC continued its Reforming the Energy Vision (REV) proceeding to improve system efficiency and reliability, encourage renewable energy and distributed energy resources and empower customer choice. The NYSPSC, among other things, issued an order that changes the way distributed energy resources are compensated and begins to phase out net energy metering. Also, CECONY submitted a petition to the NYSPSC for authority to develop smart solutions for gas customers by seeking to apply REV concepts and issued a request for proposals for non-pipeline solutions to a gas pipeline need the company identified. See “Utility Regulation – State Utility Regulation – Reforming the Energy Vision” in Item 1.

In 2017, the NYSPSC approved three-year CECONY electric and gas rate plans and a settlement agreement in its proceedings related to CECONY’s practices of qualifying persons to perform plastic fusions on gas facilities and alleged violations of gas safety regulations in connection with a March 2014 Manhattan explosion and fire. The NYSPSC also issued orders relating to an April 2017 subway power outage and the TCJA. See Notes B and H to the financial statements in Item 8.

Upon enactment of the TCJA, Con Edison re-measured its deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. As a result, Con Edison decreased its net deferred tax liabilities by \$5,312 million, recognized \$259 million (or \$0.85 per share) in net income, decreased its regulatory asset for future income tax by \$1,250 million, decreased its regulatory asset for revenue taxes by \$90 million, and accrued a regulatory liability for federal income tax rate change of \$3,713 million. See “Other Regulatory Matters” in Note B and Note L to the financial statements in Item 8.

In January 2018, O&R filed a request with the NYSPSC for electric and gas rate increases of \$20.3 million and \$4.5 million, respectively, effective January 2019. See “Rate Plans” in Note B to the financial statements in Item 8.

Available Information

Con Edison and CECONY file annual, quarterly and current reports and other information, and Con Edison files proxy statements, with the Securities and Exchange Commission (SEC). The public may read and copy any materials that the Companies file with the SEC at the SEC’s Public Reference Room at 100 F Street, N.E., Room 1580 Washington, D.C. 20549. The public may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. The SEC maintains an Internet site at www.sec.gov that contains reports, proxy statements, and other information regarding issuers (including Con Edison and CECONY) that file electronically with the SEC.

This information the Companies file with the SEC is also available free of charge on or through the investor information section of their websites as soon as reasonably practicable after the reports are electronically filed with, or furnished to, the SEC. Con Edison’s internet website is at: www.conedison.com; and CECONY’s is at: www.coned.com.

The “About Us - Corporate Governance” section of Con Edison’s website includes the company’s Standards of Business Conduct (its code of ethics) and amendments or waivers of the standards for executive officers or directors, corporate governance guidelines and the charters of the following committees of the company’s Board of Directors: Audit Committee, Management Development and Compensation Committee, and Corporate Governance and Nominating Committee. This information is available in print to any shareholder who requests it. Requests should be directed to: Corporate Secretary, Consolidated Edison, Inc., 4 Irving Place, New York, NY 10003.

Information on the Companies’ websites is not incorporated herein.

Forward-Looking Statements

This report includes forward-looking statements intended to qualify for the safe-harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended.

Forward-looking statements are statements of future expectation and not facts. Words such as “forecasts,” “expects,” “estimates,” “anticipates,” “intends,” “believes,” “plans,” “will” and similar expressions identify forward-looking statements.

Forward-looking statements are based on information available at the time the statements are made, and accordingly speak only as of that time. Actual results or developments might differ materially from those included in the forward-looking statements because of various factors including, but not limited to, those discussed under “Risk Factors,” in Item 1A.

Non-GAAP Financial Measure

Adjusted earnings is a financial measure that is not determined in accordance with generally accepted accounting principles in the United States of America (GAAP). This non-GAAP financial measure should not be considered as an alternative to net income, which is an indicator of financial performance determined in accordance with GAAP.

Adjusted earnings excludes from net income the net mark-to-market changes in the fair value of the derivative instruments the Clean Energy Businesses use to economically hedge market price fluctuations in related underlying physical transactions for the purchase or sale of electricity and gas. Adjusted earnings may also exclude from net income certain other items that the company does not consider indicative of its ongoing financial performance.

Management uses this non-GAAP financial measure to facilitate the analysis of the company's financial performance as compared to its internal budgets and previous financial results. Management also uses this non-GAAP financial measure to communicate to investors and others the company's expectations regarding its future earnings and dividends on its common stock. Management believes that this non-GAAP financial measure also is useful and meaningful to investors to facilitate their analysis of the company's financial performance. The following table is a reconciliation of Con Edison's reported net income to adjusted earnings and reported earnings per share to adjusted earnings per share.

(Millions of Dollars, except per share amounts)	2013	2014	2015	2016	2017
Reported net income – GAAP basis	\$1,062	\$1,092	\$1,193	\$1,245	\$1,525
Gain on sale of the Clean Energy Businesses' retail electric supply business (a)	—	—	—	(56)	—
Goodwill impairment related to the Clean Energy Businesses' energy service business (b)	—	—	—	12	—
Impairment of assets held for sale (c)	—	—	3	—	—
Gain on sale of solar electric production projects (d)	—	(26)	—	—	(1)
Loss from LIFO transactions (e)	95	1	—	—	—
Enactment of the TCJA (f)	—	—	—	—	(259)
Net mark-to-market effects of the Clean Energy Businesses (g)	(45)	73	—	(3)	(1)
Adjusted earnings	\$1,112	\$1,140	\$1,196	\$1,198	\$1,264
Reported earnings per share – GAAP basis (basic)	\$3.62	\$3.73	\$4.07	\$4.15	\$4.97
Gain on sale of the Clean Energy Businesses' retail electric supply business	—	—	—	(0.19)	—
Goodwill impairment related to the Clean Energy Businesses' energy service business	—	—	—	0.04	—
Impairment of assets held for sale	—	—	0.01	—	—
Gain on sale of solar electric production projects	—	(0.09)	—	—	—
Loss from LIFO transactions	0.32	—	—	—	—
Enactment of the TCJA	—	—	—	—	(0.85)
Net mark-to-market effects of the Clean Energy Businesses	(0.14)	0.25	—	(0.01)	—
Adjusted earnings per share	\$3.80	\$3.89	\$4.08	\$3.99	\$4.12

(a) After taxes of \$(48) million, which includes an adjustment for the apportionment of state income taxes. See Note U to the financial statements in Item 8.

- (b) After taxes of \$3 million. See Note K to the financial statements in Item 8.
- (c) After taxes of \$2 million, recorded related to Pike County Light & Power Company (Pike), which O&R sold in 2016. See Note U to the financial statements in Item 8.
- (d) After taxes of \$(19) million in 2014.
In 2013, a court disallowed tax losses claimed by Con Edison relating to Con Edison Development's Lease In/Lease Out (LILO) transactions and the company subsequently terminated the transactions, resulting in a charge to earnings of \$95 million (after taxes of \$63 million). In 2014, adjustments were made to taxes and accrued interest. Upon enactment of the TCJA, Con Edison re-measured its deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. As a result, Con Edison decreased its net deferred tax liabilities by \$5,312 million, recognized \$259 million (or \$0.85 per share) in net income, decreased its regulatory asset for future income tax by \$1,250 million, decreased its regulatory asset for revenue taxes by \$90 million, and accrued a regulatory liability for federal income tax rate change of \$3,713 million. See "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8.
- (g) After taxes of \$(30) million, \$55 million and \$(2) million for the years ended December 31, 2013, 2014 and 2016, respectively.

10 CON EDISON ANNUAL REPORT 2017

Item 1: Business

Contents of Item 1	Page
<u>Overview</u>	<u>13</u>
<u>CECONY</u>	<u>13</u>
<u>Electric</u>	<u>13</u>
<u>Gas</u>	<u>13</u>
<u>Steam</u>	<u>13</u>
<u>O&R</u>	<u>14</u>
<u>Electric</u>	<u>14</u>
<u>Gas</u>	<u>14</u>
<u>Clean Energy Businesses</u>	<u>14</u>
<u>Con Edison Transmission</u>	<u>14</u>
<u>Utility Regulation</u>	<u>14</u>
<u>State Utility Regulation</u>	<u>14</u>
<u>Regulators</u>	<u>14</u>
<u>New York Utility Industry</u>	<u>15</u>
<u>Rate Plans</u>	<u>17</u>
<u>Liability for Service Interruptions</u>	<u>18</u>
<u>Generic Proceedings</u>	<u>18</u>
<u>Federal Utility Regulation</u>	<u>19</u>
<u>New York Independent System Operator (NYISO)</u>	<u>19</u>
<u>Competition</u>	<u>19</u>
<u>The Utilities</u>	<u>20</u>
<u>CECONY</u>	<u>20</u>
<u>Electric Operations</u>	<u>20</u>
<u>Electric Facilities</u>	<u>20</u>
<u>Electric Sales and Deliveries</u>	<u>20</u>
<u>Electric Peak Demand</u>	<u>21</u>
<u>Electric Supply</u>	<u>21</u>
<u>Gas Operations</u>	<u>23</u>
<u>Gas Facilities</u>	<u>23</u>
<u>Gas Sales and Deliveries</u>	<u>23</u>
<u>Gas Peak Demand</u>	<u>24</u>
<u>Gas Supply</u>	<u>24</u>
<u>Steam Operations</u>	<u>24</u>
<u>Steam Facilities</u>	<u>24</u>
<u>Steam Sales and Deliveries</u>	<u>24</u>
<u>Steam Peak Demand and Capacity</u>	<u>25</u>
<u>Steam Supply</u>	<u>25</u>
<u>O&R</u>	<u>25</u>
<u>Electric Operations</u>	<u>25</u>
<u>Electric Facilities</u>	<u>25</u>
<u>Electric Sales and Deliveries</u>	<u>25</u>
<u>Electric Peak Demand</u>	<u>26</u>
<u>Electric Supply</u>	<u>26</u>
<u>Gas Operations</u>	<u>26</u>
<u>Gas Facilities</u>	<u>26</u>
<u>Gas Sales and Deliveries</u>	<u>27</u>

Gas Peak Demand

27

Gas Supply

27

CON EDISON ANNUAL REPORT 2017 11

	Page
<u>Contents of Item 1</u>	
<u>Clean Energy Businesses</u>	<u>28</u>
<u>Con Edison Development</u>	<u>28</u>
<u>Con Edison Energy</u>	<u>29</u>
<u>Con Edison Solutions</u>	<u>29</u>
<u>Con Edison Transmission</u>	<u>29</u>
<u>CET Electric</u>	<u>29</u>
<u>CET Gas</u>	<u>30</u>
<u>Capital Requirements and Resources</u>	<u>31</u>
<u>Environmental Matters</u>	<u>34</u>
<u>Climate Change</u>	<u>34</u>
<u>Environmental Sustainability</u>	<u>36</u>
<u>CECONY</u>	<u>36</u>
<u>O&R</u>	<u>39</u>
<u>Other Federal, State and Local Environmental Provisions</u>	<u>39</u>
<u>State Anti-Takeover Law</u>	<u>40</u>
<u>Employees</u>	<u>40</u>

Incorporation By Reference

Information in any item of this report as to which reference is made in this Item 1 is hereby incorporated by reference in this Item 1. The use of terms such as “see” or “refer to” shall be deemed to incorporate into Item 1 at the place such term is used the information to which such reference is made.

12CON EDISON ANNUAL REPORT 2017

PART I

Item 1: Business

Overview

Consolidated Edison, Inc. (Con Edison), incorporated in New York State in 1997, is a holding company that owns all of the outstanding common stock of Consolidated Edison Company of New York, Inc. (CECONY), Orange and Rockland Utilities, Inc. (O&R), Con Edison Clean Energy Businesses, Inc. and Con Edison Transmission, Inc. As used in this report, the term the “Companies” refers to Con Edison and CECONY.

Con Edison’s principal business operations are those of CECONY, O&R, the Clean Energy Businesses and Con Edison Transmission. CECONY’s principal business operations are its regulated electric, gas and steam delivery businesses. O&R’s principal business operations are its regulated electric and gas delivery businesses. The Clean Energy Businesses develop, own and operate renewable and energy infrastructure projects and provide energy-related products and services to wholesale and retail customers. Con Edison Transmission invests in electric transmission facilities and gas pipeline and storage facilities.

Con Edison seeks to provide shareholder value through continued dividend growth, supported by earnings growth in regulated utilities and contracted assets. The company invests to provide reliable, resilient, safe and clean energy critical for New York City’s growing economy. The company is an industry leading owner and operator of contracted, large-scale solar generation in the United States. Con Edison is a responsible neighbor, helping the communities it serves become more sustainable.

CECONY

Electric

CECONY provides electric service to approximately 3.4 million customers in all of New York City (except a part of Queens) and most of Westchester County, an approximately 660 square mile service area with a population of more than nine million.

Gas

CECONY delivers gas to approximately 1.1 million customers in Manhattan, the Bronx, parts of Queens and most of Westchester County.

Steam

CECONY operates the largest steam distribution system in the United States by producing and delivering approximately 19,410 MMlb of steam annually to approximately 1,600 customers in parts of Manhattan.

O&R

Electric

O&R and its utility subsidiary, Rockland Electric Company (RECO) (together referred to herein as O&R) provide electric service to approximately 0.3 million customers in southeastern New York and northern New Jersey, an approximately 1,300 square mile service area.

Gas

O&R delivers gas to over 0.1 million customers in southeastern New York.

Clean Energy Businesses

Con Edison Clean Energy Businesses, Inc. has three wholly-owned subsidiaries: Consolidated Edison Development, Inc. (Con Edison Development), Consolidated Edison Energy, Inc. (Con Edison Energy) and Consolidated Edison Solutions, Inc. (Con Edison Solutions). Con Edison Clean Energy Businesses, Inc., together with these subsidiaries, are referred to in this report as the Clean Energy Businesses. The Clean Energy Businesses develop, own and operate renewable and energy infrastructure projects and provide energy-related products and services to wholesale and retail customers.

Con Edison Transmission

Con Edison Transmission, Inc. invests in electric and gas transmission projects through its wholly-owned subsidiaries, Consolidated Edison Transmission, LLC (CET Electric) and Con Edison Gas Pipeline and Storage, LLC (CET Gas). CET Electric owns a 45.7 percent interest in New York Transco LLC, which owns and is proposing to build additional electric transmission assets in New York. CET Gas owns, through subsidiaries, a 50 percent interest in Stagecoach Gas Services, LLC, a joint venture that owns, operates and will further develop an existing gas pipeline and storage business located in northern Pennsylvania and southern New York. Also, CET Gas and CECONY own 71.2 percent and 28.8 percent interests, respectively, in Honeoye Storage Corporation, which operates a gas storage facility in upstate New York. In addition, CET Gas owns a 12.5 percent interest in Mountain Valley Pipeline LLC, a joint venture developing a proposed 300-mile gas transmission project in West Virginia and Virginia (Mountain Valley Pipeline). See “Con Edison Transmission,” below. Con Edison Transmission, Inc., together with CET Electric and CET Gas, are referred to in this report as Con Edison Transmission.

Utility Regulation

State Utility Regulation

Regulators

The Utilities are subject to regulation by the NYSPSC, which under the New York Public Service Law, is authorized to set the terms of service and the rates the Utilities charge for providing service in New York. See “Rate Plans,” below and in Note B to the financial statements in Item 8. The NYSPSC also approves the issuance of the Utilities’ securities. See “Capital Resources,” below. The NYSPSC exercises jurisdiction over the siting of the Utilities’ electric transmission lines (see “Con Edison Transmission,” below) and approves mergers or other business combinations involving New York utilities. In addition, the NYSPSC has the authority to impose penalties on utilities, which could be substantial, for violating state utility laws and regulations and its orders. See “Other Regulatory Matters” in Note B to the financial statements in Item 8. O&R’s New Jersey subsidiary, RECO, is subject to similar regulation by the New Jersey Board of Public Utilities (NJBPU). The NYSPSC, together with the NJBPU, are referred to herein as state utility regulators. In March 2013, following the issuance of recommendations by a commission established by the Governor of New York and submission by the Governor of a bill to the State legislature, the New York Public Service Law was amended to, among other things, authorize the NYSPSC to (i) levy expanded penalties against combination gas and electric utilities; (ii) review, at least every five years, an electric utility’s capability to provide safe, adequate and reliable service, order the utility to comply with additional and more stringent terms of service than existed prior to the review, assess the continued operation of the utility as the provider of electric service in its service territory and

propose, and act upon, such measures as are necessary to ensure safe and adequate service; and (iii) based on findings of repeated violations of the New York Public Service Law or rules or regulations adopted thereto that demonstrate a failure of a combination gas and electric utility to continue to provide safe and adequate service, revoke or modify an operating certificate issued to the utility by the NYSPSC (following consideration of certain factors, including public interest and standards deemed necessary by the NYSPSC to ensure continuity of service, and due process).

14CON EDISON ANNUAL REPORT 2017

New York Utility Industry

Restructuring in the 1990s

In the 1990s, the NYSPSC restructured the electric utility industry in the state. In accordance with NYSPSC orders, the Utilities sold all of their electric generating facilities other than those that also produce steam for CECONY's steam business (see "Electric Operations – Electric Facilities," below) and provided all of their customers the choice to buy electricity or gas from the Utilities or other suppliers (see "Electric Operations – Electric Sales and Deliveries" and "Gas Operations – Gas Sales and Deliveries," below). In 2017, 65 percent of the electricity and 33 percent of the gas CECONY delivered to its customers, and 58 percent of the electricity and 40 percent of the gas O&R delivered to its customers, was purchased by the customers from other suppliers. In addition, the Utilities no longer control and operate their bulk power electric transmission facilities. See "New York Independent System Operator (NYISO)," below.

Following industry restructuring, there were several utility mergers as a result of which substantially all of the electric and gas delivery service in New York State is now provided by one of four investor-owned utility companies – Con Edison, National Grid plc, Avangrid, Inc. (an affiliate of Iberdrola, S.A.) or CH Energy Group, Inc. (a subsidiary of Fortis Inc.) – or one of two state authorities – New York Power Authority (NYPA) or Long Island Power Authority.

Reforming the Energy Vision

In April 2014, the NYSPSC instituted its REV proceeding, the goals of which are to improve electric system efficiency and reliability, encourage renewable energy resources, support distributed energy resources (DER) and empower customer choice. In this proceeding, the NYSPSC is addressing the establishment of a distributed system platform to manage and coordinate DER, and provide customers with market data and tools to manage their energy use. The NYSPSC also is addressing how its regulatory practices should be modified to incent utility practices to promote REV objectives.

In February 2015, the NYSPSC issued an order in its REV proceeding in which, among other things, the NYSPSC: ordered CECONY, O&R and the other electric utilities to file distributed system implementation plans (DSIPs) pursuant to which the utilities, under the NYSPSC's authority and supervision, would serve as distributed system platforms to optimize the use of DER;

indicated that the utilities will be allowed to own DER only under limited circumstances, and that utility affiliate ownership of DER within the utility's service territory will require market power protections;

ordered the utilities to file energy efficiency plans (see "Environmental Matters – Climate Change," below);

instituted a separate proceeding to consider large-scale renewable generation;

required the utilities to file demonstration projects for approval by NYSPSC staff; and

indicated that the design and implementation of the reformed energy system will occur over a period of years.

In June 2015, the New York State Energy Research and Development Authority (NYSERDA) submitted a report in the large-scale renewable generation proceeding. The report included program design principles and strategies. The NYSPSC requested comments on, among other things: customer funding mechanisms; utility-backed power purchase agreements; financing options; and utility-owned generation. In December 2015, the Governor of New York directed the NYSPSC to establish a clean energy standard to mandate achievement by 2030 of the State Energy Plan's goals of 50 percent of the State's electricity being provided from renewable resources and reducing carbon emissions by 40 percent (see "Environmental Matters - Climate Change," below) and to support the continued operation of upstate nuclear plants. In August 2016, the NYSPSC issued an order adopting a clean energy standard that includes renewable energy credit (REC) and zero-emissions credit (ZEC) requirements. Beginning in 2017, load serving entities (LSEs), including CECONY and O&R for their full-service customers, are required to obtain RECs and ZECs in amounts determined by the NYSPSC. LSEs may satisfy their REC obligation by either purchasing RECs acquired through central procurement by NYSERDA, by self-supply through direct purchase of tradable RECs, or by making alternative compliance payments. LSEs will purchase ZECs from NYSERDA at prices determined by the NYSPSC. The order establishes an annual NYSPSC staff review and triennial NYSPSC review of the clean energy standard. Citing the risks that utility-backed power purchase agreements could impose on customers and utilities, the August

2016 order rejected requiring utilities to sign such agreements. The August 2016 order also did not authorize utility-owned renewable generation, stating a concern that allowing utilities to own renewable generation could result in reduced competition and higher costs. In January 2018, the Governor of New York unveiled a clean energy jobs and climate agenda that calls for procurement of at least 800 MWs of offshore wind power between two solicitations to be issued in 2018 and 2019, which are to be the first in a set schedule to meet a target of 2.4 gigawatts of offshore wind by 2030. The agenda also includes, among

CON EDISON ANNUAL REPORT 2017 15

other things, an initiative to deploy 1,500 MWs of energy storage by 2025. Also, in January 2018, NYSERDA issued a master plan for achievement of New York's offshore wind energy objectives. NYSERDA indicated that it expects offshore wind funding for a first phase of procurements would be provided by a compliance obligation placed on LSEs through an administrative structure similar to the ZEC program. NYSERDA also filed with the NYSPSC an options paper in which it addressed potential procurement options, including utility-owned generation, utility-backed power purchase agreements and contracts with NYSERDA.

In July 2015, the NYSPSC staff issued a white paper on ratemaking and utility business models in the REV proceeding. The NYSPSC staff indicated that the proposals included in the white paper reflect the following foundational principles: align earning opportunities with customer value; maintain flexibility; provide accurate and appropriate value signals; maintain a sound electric industry; shift balance of regulatory incentives to market incentives; and achieve public policy objectives. In May 2016, the NYSPSC issued an order adopting a ratemaking and utility revenue framework. The order indicated that utilities will have four ways of achieving earnings: traditional cost-of-service earnings; earnings tied to achievement of alternatives that reduce utility capital spending and provide definitive consumer benefit; earnings from market-facing platform activities; and earnings from transitional outcome-based performance measures. The order also indicated, among other things, that existing measures for negative revenue adjustments for utility failure to meet basic service standards should generally be retained and net utility plant reconciliations should be modified to encourage cost-effective DER as an alternative to utility capital investment. The order directed each utility to file a system efficiency proposal; an interconnection survey process and proposed earnings adjustment mechanism; a progress report on aggregated data reporting automation; an aggregated data privacy policy statement; revisions to standby service tariffs and cost allocation matrix; one or more smart home rate demonstration proposals; and revisions to voluntary time of use rates and promotion and education tools.

In December 2015, the NYSPSC authorized a cost recovery surcharge mechanism for REV demonstration projects. Five CECONY and one O&R demonstration projects have been approved by the NYSPSC staff. The demonstration projects are expected to inform decisions with respect to developing distributed system platform functionalities, measuring customer response to programs and prices associated with REV markets.

In January 2016, the NYSPSC established a benefit cost analysis framework that will apply to, among other things, utility proposals to make investments that could instead be met through DER alternatives that meet all applicable reliability and safety requirements. The framework's primary measure is a societal cost test which, in addition to addressing avoided utility costs, is to quantitatively address certain environmental externalities and, where appropriate, qualitatively address other externalities. The NYSPSC directed the utilities to develop and file benefit cost analysis handbooks to guide DER providers in structuring their projects and proposals.

In March 2016, the NYSPSC issued an order approving CECONY's advanced metering infrastructure (AMI) plan for its electric and gas delivery businesses, subject to a cap on capital expenditures of \$1,285 million. AMI components include smart meters, a communication network, information technology systems and business applications. The plan provides for full deployment of AMI to CECONY's customers to be implemented over a six-year period. During 2016, CECONY, at the NYSPSC's direction, submitted a customer engagement plan, an update to the company's benefit cost analysis and metrics that the NYSPSC can use to monitor the success of the project. O&R's electric and gas rate plans authorize aggregate capital expenditures of approximately \$24 million to begin AMI implementation for the company's customers. In February 2017, O&R submitted to the NYSPSC a request to expend an additional approximately \$74 million to expand the scope of the company's AMI implementation to all of its New York customers. In November 2017, the NYSPSC authorized O&R to implement its expanded AMI smart meter implementation plan.

In June 2016, CECONY and O&R each filed initial DSIPs and benefit-cost handbooks with the NYSPSC, pursuant to which the companies provided additional system and planning information for third-party developers to facilitate the

integration of DER in the distributed system platform. In November 2016, CECONY and O&R, with the other state electric utilities, filed a joint supplemental DSIP with the NYSPSC, pursuant to which the companies expanded on the initial DSIPs to address the tools, processes and protocols to be developed jointly to operate the grid to manage DER and support a retail market. The Utilities plan to develop their distribution system platforms as proposed and in conformance with the guidance of the NYSPSC.

In October 2016, CECONY filed a petition with the NYSPSC for approval of a Shared Solar Pilot Program (SSPP) to install and own solar photovoltaic systems on company facilities. CECONY proposed using the community distributed generation model to allocate solar bill credits, net of project cost, to a subset of customers who participate in the company's electric low income program. In August 2017, the NYSPSC approved a \$9 million

16CON EDISON ANNUAL REPORT 2017

budget for the SSPP. In November 2017, CECONY filed an implementation plan for the SSPP under which it expects operational solar in 2019, with bill credits for approximately 1,000 low income customers.

In March 2017, the NYSPSC issued an order that changes compensation for DER and begins to phase out net energy metering. In New York, net energy metering compensates kilowatt-hours exported to the electric distribution system at the full service rate (that is production plus delivery plus taxes and fees). To provide a gradual transition, the NYSPSC allowed all existing resources to keep their current rate treatment and will delay making significant changes to policies affecting new residential and small commercial rooftop solar until 2020. Larger installations, including new commercial and industrial projects and new community solar projects, will be paid for the value of their exports to the electricity distribution system. The new policy establishes a 2 percent limit on bill increases, reducing the shifting of avoided distribution costs to non-participating residential customers that would have occurred under net energy metering.

In September 2017, CECONY submitted a petition to the NYSPSC for authority to develop smart solutions for gas customers, seeking to apply REV concepts, such as expanding energy efficiency and demand response programs, and to develop a program to encourage ground and air source heating alternatives. The company also identified a gas pipeline need as a result of strong growth in gas consumption, driven by the City of New York's clean heat program, and further stated that it would issue a request for proposals for non-pipeline solutions. The request for proposals was issued in December 2017. At its November 2017 session, the NYSPSC encouraged utilities to consider non-pipeline solutions for gas needs.

The REV proceeding and the various related proceedings are continuing proceedings. The Companies are not able to predict the outcome of the proceedings or their impact.

Rate Plans

Investor-owned utilities in the United States provide delivery service to customers according to the terms of tariffs approved by the appropriate state utility regulator. The tariffs include schedules of rates for service that limit the rates charged by the utilities to amounts that recover from their customers costs approved by the regulator, including capital costs, of providing service to customers as defined by the tariff. The tariffs implement rate plans adopted by state utility regulators in rate orders issued at the conclusion of rate proceedings. The utilities' earnings depend on the limits on rates authorized in, and the other provisions of, their rate plans and their ability to operate their businesses in a manner consistent with such rate plans.

The utilities' rate plans cover specified periods, but rates determined pursuant to a plan generally continue in effect until a new rate plan is approved by the state utility regulator. In New York, either the utility or the NYSPSC can commence a proceeding for a new rate plan, and a new rate plan filed by the utility will generally take effect automatically in approximately 11 months unless prior to such time the NYSPSC approves a rate plan.

In each rate proceeding, rates are determined by the state utility regulator following the submission by the utility of testimony and supporting information, which are subject to review by the staff of the regulator. Other parties with an interest in the proceeding can also review the utility's proposal and become involved in the rate proceeding. The review process is overseen by an administrative law judge who is employed by the NYSPSC. After an administrative law judge issues a recommended decision that generally considers the interests of the utility, the regulatory staff, other parties and legal requisites, the regulator will issue a rate order. The utility and the regulator's staff and interested parties may enter jointly into a proposed settlement agreement prior to the completion of this administrative process, in which case the agreement could be approved by the regulator with or without modification.

For each rate plan, the revenues needed to provide the utility a return on invested capital is determined by multiplying the utilities' rate base by the pre-tax weighted average cost of capital determined in the rate plan. In general, rate base, as reflected in a utility's rate plans, is the sum of the utility's net plant, working capital and certain regulatory assets less deferred taxes and certain regulatory liabilities. The NYSPSC uses a forecast of the average rate base for the year that new rates would be in effect (rate year). The NJBPU uses the rate base balances that exist at the end of the

historical 12-month period on which base rates are set. The capital structure used in the weighted average cost of capital is determined using actual and forecast data for the same time periods as rate base. The costs of long-term debt, customer deposits and the allowed return on common equity represent a combination of actual and forecast financing information. The allowed return on common equity is determined by each state's respective utility regulator. The NYSPSC's current methodology for determining the allowed return on common equity assigns a one-third weight to an estimate determined from a capital asset pricing model applied to a peer group of utility companies and a two-thirds weight to an estimate determined from a dividend discount model

CON EDISON ANNUAL REPORT 2017 17

using stock prices and dividend forecasts for a peer group of utility companies. Both methodologies employ market measurements of equity capital to estimate returns rather than the accounting measurements to which such estimates are applied in setting rates.

Pursuant to the Utilities' rate plans, there generally can be no change to the rates charged to customers during the respective terms of the rate plans other than specified adjustments provided for in the rate plans.

For information about the Utilities' rate plans, see Note B to the financial statements in Item 8.

Liability for Service Interruptions

The tariff provisions under which CECONY provides electric, gas and steam service, and O&R provides electric and gas service, limit each company's liability to pay for damages resulting from service interruptions to circumstances resulting from its gross negligence or willful misconduct. Under RECO's tariff provisions for electric service, the company is not liable for interruptions that are due to causes beyond its control.

CECONY's tariff for electric service also provides for reimbursement to electric customers for spoilage losses resulting from service interruptions in certain circumstances. In general, the company is obligated to reimburse affected residential and commercial customers for food spoilage of up to approximately \$500 and \$10,000, respectively, and reimburse affected residential customers for prescription medicine spoilage losses without limitation on amount per claim. The company's maximum aggregate liability for such reimbursement for an incident is \$15 million. The company is not required to provide reimbursement to electric customers for outages attributable to generation or transmission system facilities or events beyond its control, such as storms, provided the company makes reasonable efforts to restore service as soon as practicable.

New York electric utilities are required to provide credits to customers who are without electric service for more than three days. The credit to a customer would equal the portion of the monthly customer charge attributable to the period the customer was without service. If an extraordinary event occurs, the NYSPSC may direct New York gas utilities to implement the same policies.

The NYSPSC has approved a scorecard for use as a guide to assess electric utility performance in restoring electric service during outages that result from a major storm event. The scorecard, which could also be applied by the NYSPSC for other outages or actions, was developed to work with the penalty and emergency response plan provisions of the New York Public Service Law. The scorecard includes performance metrics in categories for preparation, operations response and communications.

Each New York electric utility is required to submit to the NYSPSC annually a plan for the reasonably prompt restoration of service in the case of widespread outages in the utility's service territory due to storms or other events beyond the control of the utility. If, after evidentiary hearings or other investigatory proceedings, the NYSPSC finds that the utility failed to implement its plan reasonably, the NYSPSC may deny recovery of any part of the service restoration costs caused by such failure. In March 2017, the NYSPSC approved emergency response plans submitted by CECONY and O&R, subject to certain modifications. In December 2017, CECONY and O&R submitted updated plans.

Generic Proceedings

The NYSPSC from time to time conducts "generic" proceedings to consider issues relating to all electric and gas utilities operating in New York State. Pending proceedings include the REV proceeding and related proceedings, discussed above, the proceeding to study the potential effects of the federal Tax Cuts and Jobs Act of 2017, as enacted on December 22, 2017 (TCJA), discussed in "Other Regulatory Matters" in Note B to the financial statements in Item 8, and proceedings relating to data access; retail access; utility staffing levels; energy efficiency and renewable energy programs; low income customers and consumer protections. The Utilities are typically active participants in such proceedings.

Federal Utility Regulation

The Federal Energy Regulatory Commission (FERC), among other things, regulates the transmission and wholesale sales of electricity in interstate commerce and the transmission and sale of natural gas for resale in interstate commerce. In addition, the FERC has the authority to impose penalties, which could be substantial, including penalties for the violation of reliability and cyber security rules. Certain activities of the Utilities, the Clean Energy Businesses and Con Edison Transmission are subject to the jurisdiction of the FERC. The Utilities are subject to regulation by the FERC with respect to electric transmission rates and to regulation by the NYSPSC with respect to electric and gas retail commodity sales and local delivery service. As a matter of practice, the NYSPSC has approved delivery service rates for the Utilities that include both transmission and distribution costs. Wholesale energy and capacity products sold by the Clean Energy Businesses to the regional electric markets are subject to FERC jurisdiction as defined by the independent system operator tariffs. The electric and gas transmission projects in which CET Electric and CET Gas invest are also subject to regulation by the FERC. See “Con Edison Transmission,” below.

New York Independent System Operator (NYISO)

The NYISO is a not-for-profit organization that controls and directs the operation of most of the electric transmission facilities in New York State, including those of the Utilities, as an integrated system. It also administers wholesale markets for electricity in New York State and facilitates the construction of new transmission it considers necessary to meet identified reliability, economic or public policy needs. The New York State Reliability Council (NYSRC) promulgates reliability standards subject to FERC oversight, and the NYISO has agreed to comply with those standards. Pursuant to a requirement that is set annually by the NYSRC, the NYISO requires that entities supplying electricity to customers in New York State have generating capacity (owned, procured through the NYISO capacity markets or contracted for) in an amount equal to the peak demand of their customers plus the applicable reserve margin. In addition, the NYISO has determined that entities that serve customers in New York City must procure sufficient capacity from resources that are electrically located in New York City to cover a substantial percentage of the peak demands of their New York City customers. It also requires entities that serve customers in the Lower Hudson Valley and New York City customers that are served through the Lower Hudson Valley to procure sufficient capacity from resources electrically located in the Lower Hudson Valley. These requirements apply both to regulated utilities such as CECONY and O&R for the customers they supply under regulated tariffs and to companies that supply customers on market terms. To address the possibility of a disruption due to the unavailability of gas, generating units located in New York City that are capable of using either gas or oil as fuel may be required to use oil as fuel for certain periods and new generating units located in New York City are required to have dual fuel capability. RECO, O&R’s New Jersey subsidiary, provides electric service in a portion of its service territory that has a different independent system operator – PJM Interconnection LLC (PJM). See “CECONY – Electric Operations – Electric Supply” and “O&R – Electric Operations – Electric Supply,” below.

Competition

Distributed generation, such as solar energy production facilities, fuel cells and micro-turbines, provide alternative sources of energy for the Utilities’ electric delivery customers, which typically remain connected to the utility’s delivery system and pay a different rate. In addition, gas delivery customers have oil as an alternative, and steam customers may have alternative sources of heating and cooling for their buildings. Micro-grids and community-based micro-grids enable distributed generation to serve multiple locations and multiple customers. Other distributed energy resources, such as energy storage, demand reduction and energy efficiency programs, provide alternatives for the Utilities’ delivery customers to manage their energy usage. The following table shows the aggregate capacities of the distributed generation projects connected to the Utilities’ distribution systems at the end of the last four years:

Technology	CECONY				O&R			
	2014	2015	2016	2017	2014	2015	2016	2017
Total MW, except project number								
Internal-combustion engines	101	103	104	108	1	1	2	2
Photovoltaic solar	58	95	135	178	28	46	63	75

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Gas turbines	40	40	40	48	20	20	20	20
Micro turbines	9	10	10	14	1	1	1	1
Fuel cells	8	8	9	12	—	—	—	—
Steam turbines	3	3	4	6	—	—	—	—
Landfill	—	—	—	—	2	2	2	2
Total distribution-level distributed generation	219	259	302	366	52	70	88	100
Number of distributed generation projects	4,200	7,451	12,928	18,090	1,877	3,718	5,409	6,537

CON EDISON ANNUAL REPORT 2017 19

The Clean Energy Businesses participate in competitive renewable and energy infrastructure projects and energy products and services businesses that are subject to different risks than those found in the businesses of the Utilities. Con Edison Transmission invests in electric and gas transmission and gas storage projects, the current and prospective customers of which may have competitive alternatives.

The Utilities do not consider it reasonably likely that another company would be authorized to provide utility delivery service of electricity, natural gas or steam where the company already provides service. Any such other company would need to obtain NYSPSC consent, satisfy applicable local requirements, install facilities to provide the service, meet applicable services standards and charge customers comparable taxes and other fees and costs imposed on the service. A new delivery company would also be subject to extensive ongoing regulation by the NYSPSC. See “Utility Regulation – State Utility Regulation – Regulators,” above.

The Utilities

CECONY

CECONY, incorporated in New York State in 1884, is a subsidiary of Con Edison and has no significant subsidiaries of its own. Its principal business segments are its regulated electric, gas and steam businesses.

For a discussion of the company’s operating revenues and operating income for each segment, see “Results of Operations” in Item 7. For additional information about the segments, see Note N to the financial statements in Item 8.

Electric Operations

Electric Facilities

CECONY’s capitalized costs for utility plant, net of accumulated depreciation, for distribution facilities were \$17,996 million and \$17,234 million at December 31, 2017 and 2016, respectively. For its transmission facilities, the costs for utility plant, net of accumulated depreciation, were \$2,990 million and \$2,963 million at December 31, 2017 and 2016, respectively, and for its portion of the steam-electric generation facilities, the costs for utility plant, net of accumulated depreciation, were \$544 million and \$479 million, at December 31, 2017 and 2016, respectively. See “CECONY – Steam Operations – Steam Facilities,” below.

Distribution Facilities

CECONY owns 62 area distribution substations and various distribution facilities located throughout New York City and Westchester County. At December 31, 2017, the company’s distribution system had a transformer capacity of 31,767 MVA, with 37,020 miles of overhead distribution lines and 97,564 miles of underground distribution lines. The underground distribution lines represent the single longest underground electric delivery system in the United States.

Transmission Facilities

The company’s transmission facilities are located in New York City and Westchester, Orange, Rockland, Putnam and Dutchess counties in New York State. At December 31, 2017, CECONY owned or jointly owned 555 miles of overhead circuits operating at 138, 230, 345 and 500 kV and 749 miles of underground circuits operating at 69, 138 and 345 kV. The company’s 39 transmission substations and 62 area stations are supplied by circuits operated at 69 kV and above. For information about transmission projects to address, among other things, reliability concerns associated with the scheduled closure of the Indian Point Energy Center (which is owned by Entergy Corporation subsidiaries) see “CECONY – Electric Operations – Electric Supply” and “Con Edison Transmission,” below. CECONY’s transmission facilities interconnect with those of National Grid, Central Hudson Gas & Electric Corporation, O&R, New York State Electric & Gas, Connecticut Light & Power Company, Long Island Power Authority, NYPA and Public Service Electric and Gas Company.

Generating Facilities

CECONY’s electric generating facilities consist of plants located in Manhattan whose primary purpose is to produce steam for the company’s steam business. The facilities have an electrical capacity of 732 MW. The company expects

to have sufficient amounts of gas and fuel oil available in 2018 for use in these facilities.

Electric Sales and Deliveries

CECONY delivers electricity to its full-service customers who purchase electricity from the company. The company also delivers electricity to its customers who choose to purchase electricity from other suppliers (retail choice program). In addition, the company delivers electricity to state and municipal customers of NYPA.

20CON EDISON ANNUAL REPORT 2017

The company charges all customers in its service area for the delivery of electricity. The company generally recovers, on a current basis, the cost of the electricity that it buys and then sells to its full-service customers. It does not make any margin or profit on the electricity it sells. CECONY's electric revenues are subject to a revenue decoupling mechanism. As a result, its electric delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. CECONY's electric sales and deliveries for the last five years were:

	Year Ended December 31,				
	2013	2014	2015	2016	2017
Electric Energy Delivered (millions of kWh)					
CECONY full service customers	20,118	19,757	20,206	19,886	19,227
Delivery service for retail choice customers	26,574	26,221	26,662	26,813	26,136
Delivery service to NYPA customers and others	10,226	10,325	10,147	10,046	9,955
Total Deliveries in Franchise Area	56,918	56,303	57,015	56,745	55,318
Electric Energy Delivered (\$ in millions)					
CECONY full service customers	\$4,799	\$5,023	\$4,757	\$4,404	\$4,348
Delivery service for retail choice customers	2,683	2,646	2,714	2,768	2,712
Delivery service to NYPA customers and others	602	625	600	610	623
Other operating revenues	47	143	101	324	289
Total Deliveries in Franchise Area	\$8,131	\$8,437	\$8,172	\$8,106	\$7,972
Average Revenue per kWh Sold (Cents)					
Residential	27.0	28.9	26.3	24.9	25.3
Commercial and Industrial	20.6	22.1	20.6	19.1	19.7

For further discussion of the company's electric operating revenues and its electric results, see "Results of Operations" in Item 7. For additional segment information, see Note N to the financial statements in Item 8.

Electric Peak Demand

The electric peak demand in CECONY's service area occurs during the summer air conditioning season. The weather during the summer of 2017 was cooler than design conditions. CECONY's 2017 service area peak demand was 12,321 MW, which occurred on July 20, 2017. "Design weather" for the electric system is a standard to which the actual peak demand is adjusted for evaluation and planning purposes. Since NYISO-invoked demand reduction programs can be called upon under specific circumstances, design conditions do not include these programs' potential impact. However, the CECONY forecasted peak demand at design conditions does include the impact of certain demand reduction programs. The company estimates that, under design weather conditions, the 2018 service area peak demand will be 13,300 MW. The company forecasts an average annual growth in electric peak demand in its service area at design conditions over the next five years to be approximately 0.1 percent per year.

Electric Supply

Most of the electricity sold by CECONY to its full-service customers in 2017 was purchased under firm power contracts or through the wholesale electricity market administered by the NYISO. The company expects that these resources will again be adequate to meet the requirements of its customers in 2018. The company plans to meet its continuing obligation to supply electricity to its customers through a combination of electricity purchased under contracts, purchased through the NYISO's wholesale electricity market, or generated from its electricity generating facilities. For information about the company's contracts for approximately 803 MW of electric generating capacity, see Notes I and O to the financial statements in Item 8. To reduce the volatility of its customers' electric energy costs, the company has contracts to purchase electric energy and enters into derivative transactions to hedge the costs of a portion of its expected purchases under these contracts and through the NYISO's wholesale electricity market. CECONY owns generating stations in New York City associated primarily with its steam system. As of December 31, 2017, the generating stations had a combined electric capacity of approximately 732 MW, based on 2017 summer test ratings. For information about electric generating capacity owned by the company, see "Electric Operations – Electric

Facilities – Generating Facilities,” above.

In general, the Utilities recover their purchased power costs, including the cost of hedging purchase prices, pursuant to rate provisions approved by the state public utility regulatory authority having jurisdiction. See “Financial

CON EDISON ANNUAL REPORT 2017 21

and Commodity Market Risks – Commodity Price Risk” in Item 7 and “Recoverable Energy Costs” in Note A to the financial statements in Item 8. From time to time, certain parties have petitioned the NYSPSC to review these provisions, the elimination of which could have a material adverse effect on the Companies’ financial position, results of operations or liquidity.

CECONY monitors the adequacy of the electric capacity resources and related developments in its service area, and works with other parties on long-term resource adequacy within the framework of the NYISO. In addition, the NYISO has adopted reliability rules that include obligations on transmission owners (such as CECONY) to construct facilities that may be needed for system reliability if the market does not solve a reliability need identified by the NYISO. See “New York Independent System Operator,” above. In a July 1998 order, the NYSPSC indicated that it “agree(s) generally that CECONY need not plan on constructing new generation as the competitive market develops,” but considers “overly broad” and did not adopt CECONY’s request for a declaration that, solely with respect to providing generating capacity, it will no longer be required to engage in long-range planning to meet potential demand and, in particular, that it will no longer have the obligation to construct new generating facilities, regardless of the market price of capacity. In November 2012, the NYSPSC directed CECONY to work with NYPA to develop a contingency plan to address reliability concerns associated with the potential closure of the nuclear power plant at the Indian Point Energy Center (which is owned by Entergy Corporation subsidiaries). In October 2013, the NYSPSC approved three transmission projects and several energy efficiency, demand reduction and combined heat and power programs to address concerns associated with the potential closure. The transmission projects were placed into service in May 2016. See “Con Edison Transmission,” below. In February 2014, CECONY submitted to the NYSPSC the implementation plan for the energy efficiency, demand reduction and combined heat and power programs. In January 2017, New York State officials announced that, under an agreement reached with Entergy, one of the two nuclear reactors at Indian Point is scheduled to shut down by April 2020, while the other is scheduled to be closed a year later. On November 13, 2017, the NYISO indicated that Entergy completed its Generator Deactivation Notice for proposed retirements of the two nuclear reactors. On December 13, 2017, the NYISO completed its Deactivation Assessment of Indian Point pursuant to the requirements of its Open Access Transmission Tariff. It concluded that over its ten-year planning period, through 2027, there is no anticipated reliability need if the following three expected units finalize construction and enter service: Bayonne Energy Center II Uprate (Zone J, 120 MW); CPV Valley Energy Center (Zone G, 678 MW); and Cricket Valley Energy Center (Zone G, 1,020 MW). With these results, the NYISO states that Indian Point has satisfied the applicable requirements with respect to the Generator Deactivation Processes and may retire the units on or after the requested deactivation dates.

Gas Operations

Gas Facilities

CECONY's capitalized costs for utility plant, net of accumulated depreciation, for gas facilities, which are primarily distribution facilities, were \$6,403 million and \$5,749 million at December 31, 2017 and 2016, respectively.

Natural gas is delivered by pipeline to CECONY at various points in or near its service territory and is distributed to customers by the company through an estimated 4,395 miles of mains and 371,236 service lines. The company owns a natural gas liquefaction facility and storage tank at its Astoria property in Queens, New York. The plant can store 1,062 MDt of which a maximum of about 240 MDt can be withdrawn per day. The company has about 1,226 MDt of additional natural gas storage capacity at a field in upstate New York, owned and operated by Honeoye Storage Corporation, a corporation 71.2 percent owned by CET Gas and 28.8 percent owned by CECONY.

Gas Sales and Deliveries

The company generally recovers the cost of the gas that it buys and then sells to its full-service customers. It does not make any margin or profit on the gas it sells. CECONY's gas revenues are subject to a weather normalization clause and a revenue decoupling mechanism. As a result, its gas delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. CECONY's gas sales and deliveries for the last five years were:

	Year Ended December 31,				
	2013	2014	2015	2016	2017
Gas Delivered (MDt)					
Firm Sales					
Full service	67,007	75,630	77,197	75,892	83,005
Firm transportation of customer-owned gas	61,139	68,731	72,864	68,442	71,353
Total Firm Sales	128,146	144,361	150,061	144,334	154,358
Interruptible Sales (a)	10,900	10,498	6,332	8,957	7,553
Total Gas Delivered to CECONY Customers	139,046	154,859	156,393	153,291	161,911
Transportation of customer-owned gas					
NYPA	48,682	47,548	44,038	43,101	37,033
Other (mainly generating plants and interruptible transportation)	87,379	105,012	104,857	109,000	83,117
Off-System Sales	4,638	15	389	—	55
Total Sales	279,745	307,434	305,677	305,392	282,116
Gas Delivered (\$ in millions)					
Firm Sales					
Full service	\$1,059	\$1,141	\$956	\$933	\$1,136
Firm transportation of customer-owned gas	414	453	458	426	524
Total Firm Sales	1,473	1,594	1,414	1,359	1,660
Interruptible Sales	69	91	46	34	35
Total Gas Delivered to CECONY Customers	1,542	1,685	1,460	1,393	1,695
Transportation of customer-owned gas					
NYPA	2	2	2	2	2
Other (mainly generating plants and interruptible transportation)	71	70	54	57	56
Off-System Sales	18	—	1	—	—
Other operating revenues (mainly regulatory amortizations)	(17)	(36)	11	56	148
Total Sales	\$1,616	\$1,721	\$1,528	\$1,508	\$1,901
Average Revenue per Dt Sold					
Residential	\$18.52	\$16.76	\$13.91	\$13.96	\$15.35
General	\$12.05	\$12.38	\$9.73	\$9.47	\$10.86

(a) Includes 5,362, 6,057, 1,229, 4,708 and 3,816 MDt for 2013, 2014, 2015, 2016 and 2017, respectively, which are also reflected in firm transportation and other.

For further discussion of the company's gas operating revenues and its gas results, see "Results of Operations" in Item 7. For additional segment information, see Note N to the financial statements in Item 8.

Gas Peak Demand

The gas peak demand for firm sales customers in CECONY's service area occurs during the winter heating season. The peak day demand during the winter 2017/2018 (through January 31, 2018) occurred on January 6, 2018 when the demand reached 1,410 MDt. "Design weather" for the gas system is a standard to which the actual peak demand is adjusted for evaluation and planning purposes. The company estimates that, under design weather conditions, the 2018/2019 service area peak day demand will be 1,565 MDt. The forecasted peak day demand at design conditions does not include gas used by interruptible gas customers including electric and steam generating stations. The company forecasts an average annual growth of the gas peak demand over the next five years at design conditions to be approximately 1.2 percent in its service area. The company is seeking to expand gas energy efficiency and demand response programs, develop programs to encourage alternatives to gas heating and has issued a request for proposals for non-pipeline solutions to an identified gas pipeline need. See "Utility Regulation – Reforming the Energy Vision," above.

Gas Supply

CECONY and O&R have combined their gas requirements, and contracts to meet those requirements, into a single portfolio. The combined portfolio is administered by, and related management services are provided by, CECONY (for itself and as agent for O&R) and costs are allocated between the Utilities in accordance with provisions approved by the NYSPSC. See Note S to the financial statements in Item 8.

Charges from suppliers for the firm purchase of gas, which are based on formulas or indexes or are subject to negotiation, are generally designed to approximate market prices. The Utilities have contracts with interstate pipeline companies for the purchase of firm transportation from upstream points where gas has been purchased to the Utilities' distribution systems, and for upstream storage services. Charges under these transportation and storage contracts are approved by the FERC. The Utilities are required to pay certain fixed charges under the supply, transportation and storage contracts whether or not the contracted capacity is actually used. These fixed charges amounted to approximately \$306 million in 2017, including \$268 million for CECONY. See "Contractual Obligations," below. At December 31, 2017, the contracts were for various terms extending to 2020 for supply and 2038 for transportation and storage. During 2017, CECONY entered into four new transportation and storage contracts. In addition, the Utilities purchase gas on the spot market and contract for interruptible gas transportation. See "Recoverable Energy Costs" in Note A, Note P and Note S to the financial statements in Item 8.

Steam Operations

Steam Facilities

CECONY's capitalized costs for utility plant, net of accumulated depreciation, for steam facilities, including steam's portion of the steam-electric generation facilities, were \$1,798 million and \$1,882 million at December 31, 2017 and 2016, respectively. See "CECONY – Electric Operations – Electric Facilities," above.

CECONY generates steam at one steam-electric generating station and four steam-only generating stations and distributes steam to its customers through approximately 104 miles of transmission, distribution and service piping.

Steam Sales and Deliveries

CECONY's steam sales and deliveries for the last five years were:

	Year Ended December 31,				
	2013	2014	2015	2016	2017
Steam Sold (MMlb)					
General	547	594	538	465	490
Apartment house	6,181	6,574	6,272	5,792	5,754
Annual power	15,195	15,848	15,109	13,722	13,166
Total Steam Delivered to CECONY Customers	21,923	23,016	21,919	19,979	19,410
Steam Sold (\$ in millions)					
General	\$31	\$30	\$29	\$23	\$26

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Apartment house	187	180	176	148	158
Annual power	491	469	453	378	392
Other operating revenues	(26)	(51)	(29)	2	19
Total Steam Delivered to CECONY Customers	\$683	\$628	\$629	\$551	\$595
Average Revenue per MMlb Sold	\$32.34	\$29.50	\$30.02	\$27.48	\$29.68

24CON EDISON ANNUAL REPORT 2017

For further discussion of the company's steam operating revenues and its steam results, see "Results of Operations" in Item 7. For additional segment information, see Note N to the financial statements in Item 8.

Steam Peak Demand and Capacity

Demand for steam in CECONY's service area peaks during the winter heating season. The one-hour peak demand during the winter of 2017/2018 (through January 31, 2018) occurred on January 5, 2018 when the demand reached 7.9 MMlb per hour. "Design weather" for the steam system is a standard to which the actual peak demand is adjusted for evaluation and planning purposes. The company's estimate for the winter of 2018/2019 peak demand of its steam customers is about 9.0 MMlb per hour under design conditions. The company forecasts an average annual decrease in steam peak demand in its service area at design conditions over the next five years to be approximately 0.5 percent. On December 31, 2017, the steam system was capable of delivering approximately 11.6 MMlb of steam per hour, and CECONY estimates that the system will have the same capability in the 2018/2019 winter.

Steam Supply

35 percent of the steam produced by CECONY in 2017 was supplied by the company's steam-only generating assets; 48 percent was produced by the company's steam-electric generating assets, where steam and electricity are primarily cogenerated; and 17 percent was purchased under an agreement with Brooklyn Navy Yard Cogeneration Partners L.P.

O&R

Electric Operations

Electric Facilities

O&R's capitalized costs for utility plant, net of accumulated depreciation, for distribution facilities were \$963 million and \$916 million at December 31, 2017 and 2016, respectively. For its transmission facilities, the costs for utility plant, net of accumulated depreciation, were \$220 million and \$221 million at December 31, 2017 and 2016, respectively.

O&R and RECO own, in whole or in part, transmission and distribution facilities which include 532 circuit miles of transmission lines, 15 transmission substations, 62 distribution substations, 85,835 in-service line transformers, 3,743 pole miles of overhead distribution lines and 2,138 miles of underground distribution lines. O&R's transmission system is part of the NYISO system except that portions of RECO's system are located within the transmission area controlled by PJM.

Electric Sales and Deliveries

O&R delivers electricity to its full-service customers who purchase electricity from the company. The company also delivers electricity to its customers who purchase electricity from other suppliers through the company's retail choice program.

The company charges all customers in its service area for the delivery of electricity. O&R generally recovers, on a current basis, the cost of the electricity that it buys and then sells to its full-service customers. It does not make any margin or profit on the electricity it sells. O&R's New York electric revenues (which accounted for 76 percent of O&R's electric revenues in 2017) are subject to a revenue decoupling mechanism. As a result, O&R's New York electric delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. O&R's electric sales in New Jersey are not subject to a decoupling mechanism. O&R's electric sales and deliveries for the last five years were:

	Year Ended December 31,				
	2013	2014	2015	2016	2017
Electric Energy Delivered (millions of kWh)					
Total deliveries to O&R full service customers	2,555	2,429	2,499	2,555	2,435
Delivery service for retail choice customers	3,166	3,240	3,237	3,180	2,976
Total Deliveries In Franchise Area	5,721	5,669	5,736	5,735	5,411
Electric Energy Delivered (\$ in millions)					
Total deliveries to O&R full service customers	\$427	\$455	\$441	\$426	\$433
Delivery service for retail choice customers	192	207	213	213	201
Other operating revenues	9	18	9	(2)	8
Total Deliveries In Franchise Area	\$628	\$680	\$663	\$637	\$642
Average Revenue Per kWh Sold (Cents)					
Residential	18.1	20.3	19.2	18.4	19.8
Commercial and Industrial	14.8	16.8	15.4	14.3	15.0

For further discussion of the company's electric operating revenues and its electric results, see "Results of Operations" in Item 7. For additional segment information, see Note N to the financial statements in Item 8.

Electric Peak Demand

The electric peak demand in O&R's service area occurs during the summer air conditioning season. The weather during the summer of 2017 was cooler than design conditions. O&R's 2017 service area peak demand was 1,410 MW, which occurred on June 13, 2017. "Design weather" for the electric system is a standard to which the actual peak demand is adjusted for evaluation and planning purposes. Since the NYISO can invoke demand reduction programs under specific circumstances, design conditions do not include these programs' potential impact. However, the O&R forecasted peak demand at design conditions does include the impact of certain demand reduction programs. The company estimates that, under design weather conditions, the 2018 service area peak demand will be 1,620 MW. The company forecasts an average annual growth in electric peak demand in its service area at design conditions over the next five years to be flat every year.

Electric Supply

The electricity O&R sold to its full-service customers in 2017 was purchased under firm power contracts or through the wholesale electricity market. The company expects that these resources will again be adequate to meet the requirements of its customers in 2018. O&R does not own any electric generating capacity. The company plans to meet its continuing obligation to supply electricity to its customers through a combination of electricity purchased under contracts or purchased through the wholesale electricity market. To reduce the volatility of its customers' electric energy costs, the company has contracts to purchase electric energy and enters into derivative transactions to hedge the costs of a portion of its expected purchases. For information about the company's contracts, see Note O to the financial statements in Item 8.

In general, the Utilities recover their purchased power costs, including the cost of hedging purchase prices, pursuant to rate provisions approved by the state public utility regulatory authority having jurisdiction. See "Financial and Commodity Market Risks – Commodity Price Risk," in Item 7 and "Recoverable Energy Costs" in Note A to the financial statements in Item 8. From time to time, certain parties have petitioned the NYSPSC to review these provisions, the elimination of which could have a material adverse effect on the Companies' financial position, results of operations or liquidity.

Gas Operations

Gas Facilities

O&R's capitalized costs for utility plant, net of accumulated depreciation for gas facilities, which are primarily distribution facilities, were \$573 million and \$536 million at December 31, 2017 and 2016, respectively. Natural gas is delivered by pipeline to O&R at various points in or near its service territory and is distributed to customers by the

company through an estimated 1,876 miles of mains and 105,265 service lines.

26CON EDISON ANNUAL REPORT 2017

Gas Sales and Deliveries

O&R generally recovers the cost of the gas that it buys and then sells to its full-service customers. It does not make any margin or profit on the gas it sells. O&R's gas revenues are subject to a weather normalization clause. O&R's New York gas revenues (which have accounted for substantially all of O&R's gas revenues) are subject to a revenue decoupling mechanism. As a result, its gas delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. O&R's gas sales and deliveries for the last five years were:

	Year Ended December 31,				
	2013	2014	2015	2016	2017
Gas Delivered (MDt)					
Firm Sales					
Full service	8,808	9,529	9,348	9,723	10,480
Firm transportation	12,062	12,592	11,752	10,381	9,873
Total Firm Sales	20,870	21,121	21,100	20,104	20,353
Interruptible Sales	4,118	4,216	4,205	3,853	3,771
Total Gas Delivered to O&R Customers	24,988	25,337	25,305	23,957	24,124
Transportation of customer-owned gas					
Sales for resale	885	945	906	867	896
Sales to electric generating stations	19	70	25	18	9
Off-System Sales	—	3	62	16	6
Total Sales	25,892	27,355	26,298	24,858	25,035

	Year Ended December 31,				
	2013	2014	2015	2016	2017
Gas Delivered (\$ in millions)					
Firm Sales					
Full service	\$115	\$121	\$91	\$99	\$139
Firm transportation	77	75	68	70	74
Total Firm Sales	192	196	159	169	213
Interruptible Sales	3	2	3	3	7
Total Gas Delivered to O&R Customers	195	198	162	172	220
Transportation of customer-owned gas					
Sales to electric generating stations	—	1	—	—	—
Other operating revenues	10	13	20	12	12
Total Sales	\$205	\$212	\$182	\$184	\$232

Average Revenue Per Dt Sold					
Residential	\$13.38	\$13.01	\$10.11	\$10.71	\$13.86
General	\$11.58	\$11.30	\$8.24	\$8.17	\$11.08

For further discussion of the company's gas operating revenues and its gas results, see "Results of Operations" in Item 7. For additional segment information, see Note N to the financial statements in Item 8.

Gas Peak Demand

The gas peak demand for firm sales customers in O&R's service area occurs during the winter heating season. The peak day demand during the winter 2017/2018 (through January 31, 2018) occurred on January 6, 2018 when the demand reached 211 MDt. "Design weather" for the gas system is a standard to which the actual peak demand is adjusted for evaluation and planning purposes. The company estimates that, under design weather conditions, the 2018/2019 service area peak day demand will be 223 MDt. The forecasted peak day demand at design conditions does not include gas used by interruptible gas customers including electric generating stations. The company forecasts an average annual growth of the gas peak demand over the next five years at design conditions to be approximately 0.3 percent in its service area.

Gas Supply

O&R and CECONY have combined their gas requirements and purchase contracts to meet those requirements into a single portfolio. See “CECONY – Gas Operations – Gas Supply” above.

CON EDISON ANNUAL REPORT 2017 27

Clean Energy Businesses

Con Edison Development

Con Edison Development develops, owns and operates renewable and energy infrastructure projects. The company focuses its efforts on renewable electric production projects, and at the end of 2016 was the fifth largest owner of operating photovoltaic solar capacity in North America. The output of most of the projects is sold under long-term power purchase agreements (PPA) with utilities and municipalities. The following table shows the generating capacity (MW AC) of Con Edison Development's renewable electric production projects in operation at the end of the last five years:

Generating Capacity (MW AC)	2013	2014	2015	2016	2017
Renewable electric production projects	292	446	748	1,098	1,358

The following table provides information about the projects the company has in operation and/or in construction at December 31, 2017:

Project Name	Production Technology	Generating Capacity (a) (MW AC)	Purchased Power Agreement (PPA) Term (In Years) (b)	Actual/Expected In-Service Date (c)	Location (State)
Wholly owned projects					
Pilesgrove	Solar	18	(d)	2011	New Jersey
Flemington Solar	Solar	8	(d)	2011	New Jersey
Frenchtown I, II and III	Solar	14	(d)	2011-13	New Jersey
PA Solar	Solar	10		2012	Pennsylvania
California Solar 2 (e)	Solar	80	20	2014-16	California
Oak Tree Wind	Wind	20	20	2014	South Dakota
Texas Solar 3	Solar	6	25	2015	Texas
Texas Solar 5 (e)	Solar	95	25	2015	Texas
Campbell County Wind	Wind	95	30	2015	South Dakota
Texas Solar 7 (e)	Solar	106	25	2016	Texas
California Solar 3 (e)	Solar	110	20	2016	California
Adams Wind (e)	Wind	23	7	2016	Minnesota
Valley View (e)	Wind	10	14	2016	Minnesota
Coram (e)	Wind	102	16	2016	California
Upton County Solar (e)	Solar	158	25	2017	Texas
Panoche Valley (partial)	Solar	62	20	2017	California
Projects of less than 5 MW	Solar / Wind	30	Various	Various	Various
Jointly owned projects					
(e) (f)					
California Solar	Solar	55	25	2012-13	California
Mesquite Solar 1	Solar	83	20	2013	Arizona
Copper Mountain Solar 2	Solar	75	25	2013-15	Nevada
Copper Mountain Solar 3	Solar	128	20	2014-15	Nevada
Broken Bow II	Wind	38	25	2014	Nebraska
Texas Solar 4	Solar	32	25	2014	Texas
Total MW (AC) in Operation		1,358			
Panoche Valley (partial)	Solar	178	20	2018	California
Big Timber	Wind	25	25	2018	Montana

Total MW (AC) in Construction	203
Total MW (AC), All Projects	1,561

- (a) Represents Con Edison Development's ownership interest in the project.
- (b) Represents PPA contractual term or remaining term from Con Edison Development's date of acquisition.
- (c) Represents Actual/Expected In-Service Date or Con Edison Development's date of acquisition.
- (d) Solar Renewable Energy Credit hedges are in place, in lieu of PPAs, through 2021.
- (e) Project has been pledged as security for debt financing.
- (f) All of the jointly-owned projects are 50 percent owned, except for Texas Solar 4 (which is 80 percent owned). See Note Q to the financial statements in Item 8.

28 CON EDISON ANNUAL REPORT 2017

Con Edison Development's renewable electric production volumes generated for the twelve months ended December 31, 2017 compared with the 2016 period were:

Description	Millions of kWh Generated For the Years Ended December 31,			
	2017	2016	Variation	Percent Variation
Renewable electric production projects				
Solar	2,158	1,565	593	37.9 %
Wind	988	651	337	51.8 %
Total	3,146	2,216	930	42.0 %

In May 2017, Con Edison Development sold a development-stage solar electric production project for \$11 million and agreed to perform engineering, procurement and construction for the project (see Note U to the financial statements in Item 8).

Con Edison Energy

Con Edison Energy provides services to manage the dispatch, fuel requirements and risk management activities for 7,040 MW of generating plants and merchant transmission in the northeastern United States owned by unrelated parties and manages energy supply assets leased from others. The company also provides wholesale hedging and risk management services to renewable electric production projects owned by Con Edison Development and Con Edison Solutions.

Con Edison Solutions

Con Edison Solutions provides energy-efficiency services to government and commercial customers. The services include the design and installation of lighting retrofits, high-efficiency heating, ventilating and air conditioning equipment and other energy saving technologies. The company is compensated for its services based primarily on the increased energy efficiency of the installed equipment over a multi-year period. Con Edison Solutions has won competitive solicitations for energy savings contracts with the United States Department of Energy and the United States Department of Defense, and a shared energy savings contract with the United States Postal Service. The company also develops, owns and operates behind-the-meter renewable energy projects, predominately in Massachusetts and New York, with an aggregate capacity of 45 MW (AC).

In September 2016, Con Edison Solutions sold its retail electric supply business to a subsidiary of Exelon Corporation for cash consideration of \$235 million. In addition, Con Edison received \$23 million in cash as a working capital adjustment in February 2017. The retail electric supply business primarily sold electricity to industrial, commercial and governmental customers in the northeastern United States and Texas and also sold electricity to residential and small commercial customers (mass retail market) in the northeastern United States. See Note U to the financial statements in Item 8. Con Edison Solutions' electricity sales for the last five years were:

	2013	2014	2015	2016	2017
Retail electric volumes sold (millions of kWh)	12,167	11,871	13,594	9,843	—

For information about the Clean Energy Businesses' results, see "Results of Operations" in Item 7 and Note N to the financial statements in Item 8.

Con Edison Transmission

CET Electric

CET Electric owns a 45.7 percent interest in New York Transco LLC (NY Transco). Affiliates of certain other New York transmission owners own the remaining interests.

NY Transco's existing projects include three (called the TOTS Projects) that the NYSPSC approved in October 2013 in its proceeding to address potential needs that could arise should the Indian Point Energy Center (which is owned by

Entergy Corporation subsidiaries) no longer be able to operate. The TOTS Projects include the two projects that CECONY developed and transferred to the NY Transco (see Note U to the financial statements in Item 8) and one project that another regulated affiliate of NY Transco developed. See “CECONY – Electric Operations – Electric Supply,” above.

CON EDISON ANNUAL REPORT 2017 29

In April 2015, FERC issued an order granting certain transmission incentives for NY Transco projects. In March 2016, the FERC approved a November 2015 settlement agreement that provides, in relation to the TOTS projects, for a 10 percent return on common equity (and/or 9.5 percent for capital costs in excess of \$228 million incurred for initial commercial operation) and a maximum common equity ratio of 53 percent. The costs of the projects are allocated across New York State, with 63 percent to load serving entities in the CECONY and O&R service areas. In December 2015, the NYSPSC issued an order in its competitive proceeding to select transmission projects that would relieve transmission congestion between upstate and downstate. The NYSPSC determined that there is a public policy need for new transmission to address the congestion, such as a project (\$1,000 million estimated cost) proposed on behalf of NY Transco. This NY Transco project, would be developed, at least initially, by National Grid and NY Transco. The NYSPSC also directed certain developers, including NY Transco, to submit project(s) to the NYISO. The NYISO evaluated the submitted projects under its FERC-approved public policy planning process and, in October 2016, submitted its list of viable and sufficient projects (including the NY Transco project) to the NYSPSC for its determination as to whether the transmission need still exists. In January 2017, the NYSPSC found that the public policy need still exists, asking the NYISO to proceed with selection. The NYISO may select one or more of the viable and sufficient projects for development. In November 2017, FERC approved an August 2017 settlement agreement that provides for a 10.65 percent return on common equity (subject to a cost containment mechanism) and a maximum common equity ratio of 53 percent. Under the settlement agreement, the costs of the projects are allocated across New York State, with approximately 84 percent to load serving entities in the CECONY and O&R service areas. The cost of the project(s) selected by the NYISO would be recoverable through the NYISO's tariff.

CET Gas

CET Gas, through its subsidiaries, owns a 50 percent interest in Stagecoach Gas Services LLC (Stagecoach), a 71.2 percent interest in Honeoye Storage Corporation (Honeoye) and a 12.5 percent ownership interest in Mountain Valley Pipeline LLC (MVP). Stagecoach is a joint venture with a subsidiary of Crestwood Equity Partners LP (Crestwood) to own, operate and further develop a gas pipeline and storage business located in northern Pennsylvania and southern New York. Stagecoach provides services to its customers (including CECONY, see Note S to the financial statements in Item 8) through its 181 miles of pipe and 41 Bcf of storage capacity. Honeoye, in which CECONY owns the remaining interest, operates a gas storage facility in upstate New York. MVP is a joint venture with four other partners developing a proposed 300-mile gas transmission project in West Virginia and Virginia. In October 2017, FERC issued a Certificate of Public Convenience and Necessity for the Mountain Valley Pipeline. Environmental groups have filed a rehearing request with FERC and petitioned the U.S. Court of Appeals for the District of Columbia for review of the FERC's order issuing the certificate. In February 2018, the court denied their requests to stay commencement of construction until after these matters relating to the FERC's order had been decided. MVP has indicated that the project has an estimated total cost of \$3,000 million to \$3,500 million, and is targeted to be fully in-service during the fourth quarter of 2018. See Note S and Note U to the financial statements in Item 8.

For information about Con Edison Transmission's results, see "Results of Operations" in Item 7 and Note N to the financial statements in Item 8.

30CON EDISON ANNUAL REPORT 2017

Capital Requirements and Resources

Capital Requirements

The following table contains the Companies' capital requirements for the years 2015 through 2017 and their current estimate of amounts for 2018 through 2020:

(Millions of Dollars)	Actual			Estimate		
	2015	2016	2017	2018	2019	2020
CECONY (a)(b)						
Electric	\$1,658	\$1,819	\$1,905	\$1,938	\$1,868	\$1,894
Gas	671	811	909	970	970	1,015
Steam	106	126	90	105	95	87
Sub-total	2,435	2,756	2,904	3,008	2,933	2,996
O&R						
Electric	114	114	128	139	146	137
Gas	46	52	61	62	56	53
Sub-total	160	166	189	201	202	190
Con Edison Transmission						
CET Electric	—	51	—	—	—	—
CET Gas	—	1,027	66	360	14	—
Sub-total	—	1,078	66	360	14	—
Clean Energy Businesses	823	1,235	447	400	400	400
Total capital expenditures	3,418	5,235	3,606	3,969	3,549	3,586
Retirement of long-term securities						
Con Edison – parent company	2	2	402	2	3	402
CECONY	350	650	—	1,200	475	350
O&R	143	79	4	55	62	—
Clean Energy Businesses	4	4	28	41	38	39
Total retirement of long-term securities	499	735	434	1,298	578	791
Total capital requirements	\$3,917	\$5,970	\$4,040	\$5,267	\$4,127	\$4,377

(a) CECONY's capital expenditures for environmental protection facilities and related studies were \$224 million, \$259 million and \$381 million in 2015, 2016 and 2017, respectively, and are estimated to be \$426 million in 2018.

(b) Amounts shown do not include amounts for the energy efficiency, demand reduction and combined heat and power programs.

The Utilities have an ongoing need to make substantial capital investments primarily to maintain the reliability of their electric, gas and steam delivery systems. Their estimated construction expenditures also reflect programs that will give customers greater control over their energy usage and bills, help integrate customers' new clean energy technologies into the Utilities' electric delivery systems and accelerate the replacement of leak-prone gas distribution mains and service lines.

Estimated capital expenditures for Con Edison Transmission primarily reflect planned investments in the MVP gas transmission project. Estimated capital expenditures for the Clean Energy Businesses primarily reflect planned investments in renewable electric production projects. Actual capital expenditures for Con Edison Transmission and the Clean Energy Businesses could increase or decrease significantly from the amounts estimated depending on opportunities.

Contractual Obligations

The following table summarizes the Companies' material obligations at December 31, 2017 to make payments pursuant to contracts. Long-term debt, capital lease obligations and other noncurrent liabilities are included on their balance sheets. Operating leases and electricity purchase agreements (for which undiscounted future annual payments

are shown) are described in the notes to the financial statements.

CON EDISON ANNUAL REPORT 2017 31

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

(Millions of Dollars)	Payments Due by Period				
	Total	1 year or less	Years 2 & 3	Years 4 & 5	After 5 years
Long-term debt (Statement of Capitalization)					
CECONY	\$13,386	\$1,200	\$825	\$—	\$11,361
O&R	666	55	62	—	549
Clean Energy Businesses	915	41	77	82	715
Parent	1,204	2	405	797	—
Interest on long-term debt (a)	13,314	734	1,258	1,179	10,143
Total long-term debt, including interest	29,485	2,032	2,627	2,058	22,768
Capital lease obligations (Note J)					
CECONY	1	1	—	—	—
Total capital lease obligations	1	1	—	—	—
Operating leases (Notes J and Q)					
CECONY	918	55	111	107	645
O&R	5	1	3	1	—
Clean Energy Businesses	133	7	12	13	101
Total operating leases	1,056	63	126	121	746
Purchase obligations					
Electricity purchase power agreements – Utilities (Note I)					
CECONY					
Energy	2,136	96	197	204	1,639
Capacity (b)	1,338	255	309	118	656
Total CECONY	3,474	351	506	322	2,295
O&R					
Energy and Capacity (b)	126	63	62	1	—
Total electricity and purchase power agreements – Utilities	3,600	414	568	323	2,295
Natural gas supply, transportation, and storage contracts – Utilities (c)					
CECONY					
Natural gas supply	227	186	41	—	—
Transportation and storage	3,197	260	588	545	1,804
Total CECONY	3,424	446	629	545	1,804
O&R					
Natural gas supply	35	28	7	—	—
Transportation and storage	486	40	89	83	274
Total O&R	521	68	96	83	274
Total natural gas supply, transportation and storage contracts	3,945	514	725	628	2,078
Other purchase obligations					
CECONY (d)	5,192	1,421	2,287	1,460	24
O&R (d)	300	88	99	50	63
Clean Energy Businesses (e)	243	204	33	3	3
Total other purchase obligations	5,735	1,713	2,419	1,513	90
Total	\$43,822	\$4,737	\$6,465	\$4,643	\$27,977

(a) Includes interest on variable rate debt calculated at rates in effect at December 31, 2017.

(b) Included in these amounts is the cost of minimum quantities of energy that the company is obligated to purchase at both fixed and variable prices.

(c) Included in these amounts is the cost of minimum quantities of natural gas supply, transportation and storage that the Utilities are obligated to purchase at both fixed and variable prices.

(d)

Amounts shown for other purchase obligations, which reflect capital and operations and maintenance costs incurred by the Utilities in running their day-to-day operations, were derived from the Utilities' purchasing system as the difference between the amounts authorized and the amounts paid (or vouchered to be paid) for each obligation. For many of these obligations, the Utilities are committed to purchase less than the amount authorized. Payments for the "Other Purchase Obligations" are generally assumed to be made ratably over the term of the obligations. The Utilities believe that unreasonable effort and expense would be involved to enable them to report their "Other Purchase Obligations" in a different manner.

Amounts represent commitments to purchase minimum quantities of electric energy and capacity, renewable (e)energy certificates, natural gas, natural gas pipeline capacity, energy efficiency services and construction services entered into by the Clean Energy Businesses.

32 CON EDISON ANNUAL REPORT 2017

The Companies' commitments to make payments in addition to these contractual commitments include their other liabilities reflected in their balance sheets, any funding obligations for their pension and other postretirement benefit plans, financial hedging activities, their collective bargaining agreements and Con Edison's guarantees of certain obligations of the Clean Energy Businesses and CET – Electric. See Notes E, F, O and "Guarantees" in Note H to the financial statements in Item 8.

Capital Resources

Con Edison is a holding company that operates only through its subsidiaries and has no material assets other than its interests in its subsidiaries. Con Edison finances its capital requirements primarily through internally-generated funds and the sale of its securities. Con Edison's ability to make payments on external borrowings and dividends on its common shares depends on receipt of dividends from its subsidiaries or proceeds from the sale of its securities or its interests in its subsidiaries. See "Con Edison's Ability To Pay Dividends Or Interest Depends On Dividends From Its Subsidiaries" in Item 1A.

For information about restrictions on the payment of dividends by the Utilities and significant debt covenants, see Note C to the financial statements in Item 8.

For information on the Companies' commercial paper program and revolving credit agreements with banks, see Note D to the financial statements in Item 8.

The Companies require access to the capital markets to fund capital requirements that are substantially in excess of available internally-generated funds. See "Capital Requirements," above and "The Companies Require Access to Capital Markets to Satisfy Funding Requirements" in Item 1A. Each of the Companies believes that it will continue to be able to access capital, although capital market conditions may affect the timing and cost of the Companies' financing activities. The Companies monitor the availability and costs of various forms of capital, and will seek to issue Con Edison common stock and other securities when it is necessary or advantageous to do so. For information about the Companies' long-term debt and short-term borrowing, see Notes C and D to the financial statements in Item 8.

Con Edison plans to meet its 2018 capital requirements through internally-generated funds and the issuance of securities. The company's plans include the issuance of between \$1,300 million and \$1,800 million of long-term debt at the Utilities, and the issuance of additional debt secured by its renewable electric production projects. The plans also include the issuance of up to \$450 million of common equity in addition to equity under its dividend reinvestment, employee stock purchase and long term incentive plans. The plans do not reflect the provision to the Utilities' customers of any TCJA benefits that the NYSPSC and the NJBPU may require to be provided. See "Changes to Tax Laws Could Adversely Affect the Companies" in Item 1A, "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8.

The Utilities finance their operations, capital requirements and payment of dividends to Con Edison from internally-generated funds, contributions of equity capital from Con Edison, if any, and external borrowings. See "Liquidity and Capital Resources" in Item 7.

In 2016, the NYSPSC authorized CECONY, through 2019, to issue up to \$5,200 million of debt securities (\$2,500 million of which the company had issued as of December 31, 2017). In 2017, the NYSPSC authorized O&R, through 2021, to issue up to \$310 million of debt securities (none of which the company had issued as of December 31, 2017). The NYSPSC also authorized CECONY and O&R for such periods to issue up to \$2,500 million and \$150 million, respectively, of debt securities to refund existing debt securities. At December 31, 2017, the Utilities had not refunded any securities pursuant to this authorization.

The Clean Energy Businesses have financed their operations and capital requirements primarily with capital contributions and borrowings from Con Edison, internally-generated funds and external borrowings. Con Edison Transmission has financed its operations and capital requirements primarily with capital contributions and borrowings from Con Edison and internally-generated funds. See "Liquidity and Capital Resources" in Item 7.

For each of the Companies, the ratio of earnings to fixed charges (SEC basis) for the last five years was:

Ratio of Earnings to Fixed Charges				
2013	2014	2015	2016	2017

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Con Edison	3.0	(a) 3.6	3.5	3.6	3.6
CECONY	3.7	3.8	3.6	3.6	3.7

(a) Reflects \$95 million after-tax charge to earnings relating to Con Edison Development's LILO transactions that were terminated in 2013.

CON EDISON ANNUAL REPORT 2017 33

For each of the Companies, the common equity ratio for the last five years was:

Common Equity Ratio
(Percent of total
capitalization)
2013 2014 2015 2016 2017

Con Edison 54.0 52.2 52.1 49.3 51.1

CECONY 53.8 50.9 51.4 49.5 50.8

At December 31, 2017, the credit ratings assigned by Moody's, S&P and Fitch to the senior unsecured debt and commercial paper of Con Edison, CECONY and O&R were as follows:

	Moody's	S&P	Fitch
Con Edison			
Senior Unsecured Debt	A3	BBB+	BBB+
Commercial Paper	P-2	A-2	F2
CECONY			
Senior Unsecured Debt	A2	A-	A-
Commercial Paper	P-1	A-2	F2
O&R			
Senior Unsecured Debt	A3	A-	A-
Commercial Paper	P-2	A-2	F2

Credit ratings assigned by rating organizations are expressions of opinion and are not recommendations to buy, sell or hold securities. A credit rating is subject to revision or withdrawal at any time by the assigning rating organization. Each rating should be evaluated independently of any other rating. See "The Companies Require Access To Capital Markets To Satisfy Funding Requirements" and "Changes To Tax Laws Could Adversely Affect the Companies" in Item 1A.

CECONY has \$636 million of tax-exempt debt for which the interest rates are to be determined pursuant to periodic auctions. Of this amount, \$391 million is insured by Ambac Assurance Corporation and \$245 million is insured by Syncora Guarantee Inc. (formerly XL Capital Assurance Inc.). Credit rating agencies have withdrawn the ratings of these insurers. Subsequently, there have not been sufficient bids to determine the interest rates pursuant to auctions, and interest rates have been determined by reference to a variable rate index. The weighted average annual interest rate on this tax-exempt debt was 2.05 percent on December 31, 2017. The weighted average interest rate was 1.41 percent, 0.75 percent and 0.14 percent for the years 2017, 2016 and 2015, respectively. Under CECONY's current electric, gas and steam rate plans, variations in auction rate debt interest expense are reconciled to the levels set in rates.

Environmental Matters

Climate Change

As indicated by the Intergovernmental Panel on Climate Change, emissions of greenhouse gases (GHG), including carbon dioxide, are very likely changing the world's climate.

Climate change could affect customer demand for the Companies' energy services. It might also cause physical damage to the Companies' facilities and disruption of their operations due to more frequent and more extreme weather-related events. In late October 2012, Superstorm Sandy caused extensive damage to the Utilities' electric distribution system. Superstorm Sandy interrupted service to approximately 1.4 million of the Utilities' customers – more than four times the number of customers impacted by the Utilities' previous worst storm event (Hurricane Irene in 2011) and resulted in the Utilities incurring substantial response and restoration costs.

Based on the most recent data (2016) published by the U.S. Environmental Protection Agency (EPA), Con Edison estimates that its direct GHG emissions constitute less than 0.1 percent of the nation's GHG emissions. Con Edison's estimated emissions of GHG during the past five years were:

(Metric tons, in millions (a)) 2013 2014 2015 2016 2017

CO2 equivalent emissions 3.4 3.2 3.2 3.1 3.0

(a) Estimated emissions for 2017 are based on preliminary data and are subject to third-party verification.

34 CON EDISON ANNUAL REPORT 2017

Con Edison's 50 percent decrease in direct GHG emissions (carbon dioxide, methane and sulfur hexafluoride) from the 2005 baseline (6.0 million metric tons) reflects the emission reductions resulting from equipment and repair projects, reduced steam demand, the increased use of natural gas in lieu of fuel oil at CECONY's steam production facilities as well as projects to reduce sulfur hexafluoride emissions and to replace gas distribution pipes.

CECONY has participated for several years in voluntary initiatives with the EPA to reduce its methane and sulfur hexafluoride emissions. The Utilities reduce methane emissions from the operation of their gas distribution systems through pipe maintenance and replacement programs, by operating system components at lower pressure and by introducing new technologies to prioritize leak repairs and to reduce losses when work is performed on operating assets. The Utilities reduce emissions of sulfur hexafluoride, which is used for arc suppression in substation circuit breakers and switches, by using improved technologies to locate and repair leaks and by replacing older equipment. The Utilities also actively promote energy efficiency and the use of renewable generation to help their customers' reduce their GHG emissions.

NYSERDA and New York utilities had been responsible for implementing the Energy Efficiency Portfolio Standard (EEPS) established by the NYSPSC through energy efficiency programs designed and managed by NYSERDA and the utilities and authorized by the NYSPSC. CECONY billed customers EEPS surcharges of approximately \$103 million in 2015 and 2014 to fund these programs. EEPS authorization ended December 2015. Beginning January 2016, New York utilities have implemented Energy Efficiency Transition Implementation Plans (ETIPs) and are responsible for designing and managing their energy efficiency programs consistent with NYSPSC-approved, utility-specific program budgets and metrics. Effective January 2016, the utilities are recovering the costs of their ETIP programs from their customers primarily through NYSPSC-approved energy efficiency tracker surcharge mechanisms. The Utilities billed customers \$99 million and \$107 million in 2017 and 2016, respectively, through the tracker surcharge mechanism. Pursuant to CECONY's current electric rate plan, the company will supplement its existing ETIP programs with new energy efficiency, electric vehicle and system peak reduction programs, the cost of which will be reflected in base rates. See Note B to the financial statements in Item 8. The annual budgets of the existing and new programs are approximately \$150 million and \$208 million in 2018 and 2019, respectively. Through the Utilities' energy-efficiency programs, customers reduced their annual energy use by approximately 1,578,000 MWh of electricity and 2,141,000 Dt of gas from the programs' inception in 2009 through 2017, resulting in their avoiding the release of approximately 1,162,000 short tons of GHG into the atmosphere in 2017. In addition, CECONY's other demand-side management programs assisted customers in reducing their annual energy use by approximately 345,000 MWh of electricity from the programs' inception in 2004 through 2017, resulting in their avoiding the release of approximately 195,000 short tons of GHG into the atmosphere in 2017.

Emissions are also avoided by renewable electric production facilities replacing fossil-fueled electric production facilities. NYSERDA has been responsible for implementing the renewable portfolio standard (RPS) established by the NYSPSC. NYSERDA has entered into long-term agreements with developers of large renewable electric production facilities and pays them premiums based on the facilities' electric output. These facilities sell their energy output in the wholesale energy market administered by the NYISO. As a result of the Utilities' participation in the NYISO wholesale markets, a portion of the Utilities' NYISO energy purchases are sourced from renewable electric production facilities. NYSERDA also has provided rebates to customers who installed eligible renewable electric production technologies. The electricity produced by such customer-sited renewables generation offsets the energy that the Utilities would otherwise have procured, thereby reducing the amount of electricity produced by non-renewable production facilities. The Utilities billed customers RPS surcharges of \$19 million in 2016, (and approximately \$697 million cumulatively from 2006) to fund these NYSERDA programs. In March 2016, NYSERDA reported that the statewide environmental benefits of having electricity generated by renewable production facilities from 2006 through 2015, as opposed to the State's "system-mix," amounts to approximately 6,700 tons of nitrogen oxides, 12,200 tons of sulfur dioxides and 6.4 million tons of carbon dioxide in reduced emissions over this time period. In January 2016, the NYSPSC approved a 10-year \$5,300 million clean energy fund to be managed by NYSERDA under the NYSPSC's supervision. The clean energy fund has four portfolios: market development; innovation and research; NY Green Bank and NY Sun. The Utilities have eliminated the separate RPS tariff and now collect all clean energy fund surcharges through the system benefit charge (including previously authorized RPS,

EEPS, Technology and Market Development collections and incremental clean energy fund collections to be collected from electric customers only). The Utilities billed customers clean energy fund surcharges of \$298 million and \$277 million in 2017 and 2016, respectively. For information about NYSPSC proceedings considering renewable generation see "Utility Regulation – State Utility Regulation – New York Utility Industry – Reforming the Energy Vision," above.

In June 2015, the New York State Energy Planning Board released its 2015 State Energy Plan. Under New York State law, any energy-related action or decision of State agencies must be reasonably consistent with the plan. The

CON EDISON ANNUAL REPORT 2017 35

plan reflects clean energy initiatives, including the REV proceeding, NYSEERDA's clean energy fund and the following goals for New York State to meet by 2030: a 40 percent reduction in greenhouse gas emissions from 1990 levels; 50 percent of electric generation from renewable energy sources; and a 23 percent decrease in energy consumption in buildings from 2012 levels. For information about the NYSPSC's adoption of a clean energy standard to mandate achievement of the State Energy Plan's goals, see "Utility Regulation – State Utility Regulation – New York Utility Industry – Reforming the Energy Vision," above. Also, New York State and New York City have announced goals to reduce GHG emissions 80 percent below 1990 and 2005, respectively, levels by 2050.

In 2015, the United States Environmental Protection Agency (EPA) issued its Clean Power Plan to reduce carbon dioxide emissions from existing power plants 32 percent from 2005 levels by 2030. Under the Clean Power Plan, each state is required to submit for EPA approval a plan to reduce its emissions to specified rate-based or equivalent mass-based target levels (as determined in accordance with the Clean Power Plan) applicable to the state. For New York State, the emissions rate-based target level for 2030 is approximately 20 percent below its 2012 emissions rate. State plans may, among other things, include participation in regional cap-and-trade programs. In 2017, the EPA proposed to repeal its Clean Power Plan and issued an advanced notice of proposed rulemaking to solicit information as the EPA considers proposing a future rule.

CECONY is subject to carbon dioxide emissions regulations established by New York State under RGGI. The initiative, a cooperative effort by Northeastern and Mid-Atlantic states, established a decreasing cap on carbon dioxide emissions resulting from the generation of electricity. Under RGGI, affected electric generators are required to obtain emission allowances to cover their carbon dioxide emissions, available primarily through auctions administered by participating states or a secondary market. CECONY has purchased sufficient allowances of 6.64 million short tons to meet its requirement for the most recent RGGI compliance period (2015-2017). CECONY will purchase RGGI allowances during the next compliance period (2018-2020) based on anticipated emissions, which are expected to be similar to past compliance periods.

The cost to comply with legislation, regulations or initiatives limiting the Companies' GHG emissions could be substantial.

Environmental Sustainability

Con Edison's sustainability strategy, as it relates to the environment, provides that the company seeks to reduce its environmental footprint by making effective use of natural resources to address the challenges of climate change and its impact on the company's business. As part of its strategy, the company seeks, among other things, to reduce direct and indirect emissions; enhance the efficiency of its water use; minimize its impact to natural ecosystems; focus on reducing, reusing and recycling to minimize consumption; and design its work in consideration of climate forecasts.

CECONY

Superfund

The Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980 and similar state statutes (Superfund) impose joint and several liability, regardless of fault, upon generators of hazardous substances for investigation costs, remediation costs and environmental damages. The sites as to which CECONY has been asserted to have liability under Superfund include its and its predecessor companies' former manufactured gas sites, its multi-purpose Astoria site, the Gowanus Canal site, the Newtown Creek site and other Superfund sites discussed below. There may be additional sites as to which assertions will be made that the company has liability. For a further discussion of claims and possible claims against the company under Superfund, estimated liability accrued for Superfund claims and recovery from customers of site investigation and remediation costs, see Note G to the financial statements in Item 8.

Manufactured Gas Sites

CECONY and its predecessors formerly owned and operated manufactured gas plants at 51 sites (MGP Sites) in New York City and Westchester County. Many of these sites have been subdivided and are now owned by parties other than CECONY and have been redeveloped for other uses, including schools, residential and commercial developments and hospitals. The New York State Department of Environmental Conservation (NYSDEC) is requiring

CECONY to investigate, and if necessary, develop and implement remediation programs for the sites, including any neighboring areas to which contamination may have migrated.

CECONY has started remedial investigations at all 51 MGP Sites. After investigations, no MGP impacts have been detected at all or portions of 15 sites, and the NYSDEC has issued No Further Action (NFA) letters for these sites.

36CON EDISON ANNUAL REPORT 2017

Coal tar or other MGP-related contaminants have been detected at the remaining 36 sites. Remedial actions have been completed at all or portions of six sites and the NYSDEC has issued NFA letters for these sites. In addition, remedial actions have been completed by property owners at all or portions of three sites under the NYS Brownfield Cleanup Program and Certificates of Completion have been issued by the NYSDEC for these sites. Remedial design is ongoing for the remaining sites, however, the information as to the extent of contamination and scope of the remediation likely to be required for many of these sites is incomplete. The company estimates that its undiscounted potential liability for the completion of the site investigation and cleanup of the known contamination on MGP sites (other than the Astoria site which is discussed below) could range from \$453 million to \$2,110 million.

Astoria Site

CECONY is permitted by the NYSDEC to operate a hazardous waste storage facility on property owned by it in the Astoria section of Queens, New York. Portions of the property were formerly the location of a manufactured gas plant and also have been used or are being used for, among other things, electric generation operations, electric substation operations, the storage of fuel oil and liquefied natural gas and the maintenance and storage of electric equipment. As a condition of its NYSDEC permit, the company is required to investigate the property and, where environmental contamination is found and action is necessary, to remediate the contamination. The company's investigations are ongoing. The company has submitted to the NYSDEC and the New York State Department of Health reports and in the future will be submitting additional reports identifying the known areas of contamination. The company estimates that its undiscounted potential liability for the completion of the site investigation and cleanup of the known contamination on the property could range from \$163 million to \$503 million.

Gowanus Canal

In August 2009, CECONY received a notice of potential liability and request for information from the EPA about the operations of the company and its predecessors at sites adjacent to or near the 1.8 mile Gowanus Canal in Brooklyn, New York. In March 2010, the EPA added the Gowanus Canal to its National Priorities List of Superfund sites. The canal's adjacent waterfront is primarily commercial and industrial, currently consisting of concrete plants, warehouses and parking lots. The canal is near several residential neighborhoods. In September 2013, the EPA issued its record of decision for the site. The EPA concluded that there was significant contamination at the site, including polycyclic aromatic hydrocarbons, polychlorinated biphenyls (PCBs), pesticides, metals and volatile organic compounds. The EPA selected a remedy for the site that includes dredging and disposal of some contaminated sediments and stabilization and capping of contamination that will not be removed. The EPA estimated the cost of the selected remedy to be \$506 million (and indicated the actual cost could be significantly higher or lower). The EPA has identified 39 potentially responsible parties (PRPs) with respect to the site, including CECONY (which the EPA indicated has facilities that may be a source of PCBs at the site). The EPA has ordered the PRPs, including CECONY, to coordinate and cooperate with each other to perform and/or fund the remedial design for the selected remedy, which current estimates indicate could cost approximately \$68 million. CECONY is participating with other PRPs in an allocation process to determine each PRP's share of the liability for these remedial design costs. In June 2015, other Federal agencies and the NYSDEC notified the PRPs of their intent to perform a natural resource damage assessment for the site. CECONY is unable to estimate its exposure to liability for the Gowanus Canal site.

Newtown Creek

In June 2017, CECONY received a notice of potential liability from the EPA with respect to the Newtown Creek site that was listed in 2010 on the EPA's National Priorities List of Superfund sites. The EPA has identified 14 potentially responsible parties (PRPs) with respect to the site, including CECONY, and has indicated that it will notify the company as additional PRPs are identified and notified by the EPA. Newtown Creek and its tributaries (collectively, Newtown Creek) form a 3.8 mile border between Brooklyn and Queens, New York. Currently, the predominant land use around Newtown Creek includes industrial, petroleum, recycling, manufacturing and distribution facilities and warehouses. Other uses include trucking, concrete manufacture, transportation infrastructure and a wastewater treatment plant. Newtown Creek is near several residential neighborhoods. Six PRPs, not including CECONY, pursuant to an administrative settlement agreement and order on consent the EPA issued to them in 2011, have been performing a remedial investigation of the site. The EPA indicated that sampling events have shown the sediments in

Newtown Creek to be contaminated with a wide variety of hazardous substances including PCBs, metals, pesticides, polycyclic aromatic hydrocarbons and volatile organic compounds. The EPA also indicated that it has reason to believe that hazardous substances have come to be released from CECONY facilities into Newtown Creek. The EPA's current schedule anticipates completion of a feasibility study for the site by late 2018 and issuance of its record of decision selecting a remedy for the site by late 2020. CECONY is unable to estimate its exposure to liability for the Newtown Creek site.

Other Superfund Sites

In September 2007, the NYSDEC demanded that the company investigate and remediate PCB contamination that may have migrated from a former CECONY service center facility in Flushing New York, into the adjacent Flushing River. In April 2008, the company and the NYSDEC entered into a consent order under which the company agreed to implement a NYSDEC-approved investigation program for the Flushing River and, if deemed necessary by the NYSDEC to protect human health and the environment, to implement a NYSDEC-approved remediation program for any PCB contamination in the river attributable to the site. In March 2011, the company submitted to the NYSDEC a report indicating that PCBs had migrated from the site to sediment in a portion of the river. In August 2013, the NYSDEC selected a remedy that requires the company to submit a remedial design report, remove contaminated sediment, restore the river bed with clean material, prepare a site management plan and implement institutional controls. The final remedial design was submitted to and approved by the NYSDEC in 2017. CECONY has since procured a contractor, obtained all necessary permits and initiated the work in January 2018. The company estimates that its undiscounted potential liability for the completion of the cleanup in Flushing River could range from \$4 million to \$6 million.

In the fourth quarter of 2016, CECONY and another utility responded to a reported dielectric fluid leak at a New Jersey marina on the Hudson River associated with one or two underwater transmission lines, the New Jersey portion of which is owned and operated by the other utility and the New York portion of which is owned and operated by CECONY. During the third quarter of 2017, after the marina owner had cleared substantial debris from its collapsed pier, a dielectric fluid leak was found and repaired on one of the underwater transmission lines. In the fourth quarter of 2017, sediment regrading was completed in underwater areas of the marina that had been disturbed during the leak search and repair efforts. It also was discovered that the marina owner had previously placed substantial rip rap material over and in the vicinity of the feeders in an attempt to shore up its failing pier. The marina owner has now removed a portion of this material. In the first quarter of 2018, it is anticipated that CECONY and the other utility will continue their efforts to release residual dielectric fluid that may be trapped in the bottom of the marina. Monitoring also will be conducted to evaluate whether any further action is necessary. CECONY expects that, consistent with the cost allocation provisions of their prior arrangements for the transmission lines, the costs to respond to the incident and repair the line, net of any recovery from the marina owner, will be shared by CECONY and the other utility. At December 31, 2017, the response and repair costs amounted to approximately \$39 million, including those costs incurred by CECONY and those costs which the company has been notified have been incurred by the other utility and the U.S. Coast Guard.

In May 2017, a transformer failure at a CECONY substation discharged thousands of gallons of transformer oil into the soil. Some of the transformer oil, which contained small amounts of PCBs, leaked into the East River. The company, the U.S. Coast Guard, the NYSDEC and other agencies responded to the incident. The company has replaced the transformer, and is continuing to remediate and monitor the site, the costs of which are not expected to have a material adverse effect on its financial condition, results of operations or liquidity. In connection with the incident, the company may incur monetary sanctions of more than \$0.1 million for violations of certain provisions regulating the discharge of materials into, and for the protection of, the environment.

CECONY is a PRP at additional Superfund sites involving other PRPs and participates in PRP groups at those sites. The company generally is not managing the site investigation and remediation at these multiparty sites. Work at these sites is in various stages, and investigation, remediation and monitoring activities at some of these sites can be expected to continue over extended periods of time. The company believes that it is unlikely that monetary sanctions, such as penalties, will be imposed by any governmental authority with respect to these sites.

The following table lists each of the additional Superfund sites for which the company anticipates it may have liability. The table also shows for each such site its location, the year in which the company was designated or alleged to be a PRP or to otherwise have responsibilities for the site (shown in the table under “Start”), the name of the court or agency in which proceedings for the site are pending and CECONY’s estimated percentage of the total liability for

each site. The company currently estimates that its potential liability for investigation, remediation, monitoring and environmental damages in aggregate for the sites below is less than \$2 million. Superfund liability is joint and several. The company's estimate of its liability for each site was determined pursuant to consent decrees, settlement agreements or otherwise and in light of the financial condition of other PRPs. The company's actual liability could differ substantially from amounts estimated.

38CON EDISON ANNUAL REPORT 2017

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Site	Location	Start	Court or Agency	% of Total Liability
Cortese Landfill	Narrowsburg, NY	1987	EPA	6.0%
Curcio Scrap Metal	Saddle Brook, NJ	1987	EPA	100.0%
Metal Bank of America	Philadelphia, PA	1987	EPA	1.0%
Global Landfill	Old Bridge, NJ	1988	EPA	0.4%
Borne Chemical	Elizabeth, NJ	1997	NJDEP	0.7%

O&R

Superfund

The sites at which O&R has been asserted to have liability under Superfund include its manufactured gas sites and the Superfund sites discussed below. There may be additional sites as to which assertions will be made that O&R has liability. For a further discussion of claims and possible claims against O&R under Superfund, see Note G to the financial statements in Item 8.

Manufactured Gas Sites

O&R and its predecessors formerly owned and operated manufactured gas plants at seven sites (O&R MGP Sites) in Orange County and Rockland County, New York. Three of these sites are now owned by parties other than O&R, and have been redeveloped by them for residential, commercial or industrial uses. The NYSDEC is requiring O&R to develop and implement remediation programs for the O&R MGP Sites including any neighboring areas to which contamination may have migrated.

O&R has completed remedial investigations at all seven of its MGP sites and has received the NYSDEC's decision regarding the remedial work to be performed at six of the sites. Of the six sites, O&R has completed remediation at four sites. Remedial design is ongoing for the remaining two sites. The company estimates that its undiscounted potential liability for the completion of the site investigation and cleanup of the known contamination on MGP sites could range from \$100 million to \$156 million.

Superfund Sites

O&R is a PRP at Superfund sites involving other PRPs, and participates in PRP groups at those sites. The company is not managing the site investigation and remediation at these multiparty Superfund sites. Work at these sites is in various stages, and investigation, remediation and monitoring activities at some of these sites is expected to continue over extended periods of time. The company believes that it is unlikely that monetary sanctions, such as penalties, will be imposed by any governmental authority with respect to these sites.

The following table lists each of the Superfund sites for which the company anticipates it may have liability. The table also shows for each such site its location, the year in which the company was designated or alleged to be a PRP or to otherwise have responsibilities for the site (shown in the table under "Start"), the name of the court or agency in which proceedings for the site are pending and O&R's estimated percentage of the total liability for each site. The company currently estimates that its potential liability for investigation, remediation, monitoring and environmental damages in aggregate for the sites below is less than \$1 million. Superfund liability is joint and several. The company's estimate of its liability for each site was determined pursuant to consent decrees, settlement agreements or otherwise and in light of the financial condition of other PRPs. The company's actual liability could differ substantially from amounts estimated.

Site	Location	Start	Court or Agency	% of Total Liability
Metal Bank of America	Philadelphia, PA	1993	EPA	4.6%
Borne Chemical	Elizabeth, NJ	1997	NJDEP	2.3%
Ellis Road	Jacksonville, FL	2011	EPA	0.2%

Other Federal, State and Local Environmental Provisions

Toxic Substances Control Act

Virtually all electric utilities, including CECONY, own equipment containing PCBs. PCBs are regulated under the Federal Toxic Substances Control Act of 1976. The Utilities have procedures in place to manage and dispose of oil and equipment containing PCBs properly when they are removed from service.

CON EDISON ANNUAL REPORT 2017 39

Water Quality

Under NYSDEC regulations, the operation of CECONY's generating facilities requires permits for water discharges and water withdrawals. Conditions to the renewal of such permits may include limitations on the operations of the permitted facility or requirements to install certain equipment, the cost of which could be substantial. For information about the company's generating facilities, see "CECONY – Electric Operations – Electric Facilities" and "Steam Operations – Steam Facilities" above in this Item 1.

Certain governmental authorities are investigating contamination in the Hudson River and the New York Harbor. These waters run through portions of CECONY's service area. Governmental authorities could require entities that released hazardous substances that contaminated these waters to bear the cost of investigation and remediation, which could be substantial.

Air Quality

Under new source review regulations, an owner of a large generating facility, including CECONY's steam and steam-electric generating facilities, is required to obtain a permit before making modifications to the facility, other than routine maintenance, repair, or replacement, that increase emissions of pollutants from the facility above specified thresholds. To obtain a permit, the facility owner could be required to install additional pollution controls or otherwise limit emissions from the facility. The company reviews on an on-going basis its planned modifications to its generating facilities to determine the potential applicability of new source review and similar regulations.

The EPA's Transport Rule (also referred to as the Cross-State Air Pollution Rule), which was implemented in January 2015, established a new cap and trade program requiring further reductions in air emissions than the Clean Air Intrastate Rule (CAIR) that it replaced. Under the Transport Rule, utilities are to be allocated emissions allowances and may sell the allowances or buy additional allowances. CECONY requested and received NYSPSC approval to change the provisions under which the company recovers its purchased power costs to provide for costs incurred to purchase emissions allowances and revenues received from the sale of allowances. CECONY complied with the Transport Rule in 2017 and expects to comply with the rule in 2018. If changes to the Transport Rule that have been proposed are adopted, the number of allowances allocated to CECONY would decrease and the company would be required to purchase allowances to offset the decreased allocation.

State Anti-Takeover Law

New York State law provides that a "domestic corporation," such as Con Edison, may not consummate a merger, consolidation or similar transaction with the beneficial owner of a 20 percent or greater voting stock interest in the corporation, or with an affiliate of the owner, for five years after the acquisition of the voting stock interest, unless the transaction or the acquisition of the voting stock interest was approved by the corporation's board of directors prior to the acquisition of the voting stock interest. After the expiration of the five-year period, the transaction may be consummated only pursuant to a stringent "fair price" formula or with the approval of a majority of the disinterested stockholders.

Employees

At December 31, 2017, Con Edison had no employees other than those of CECONY, O&R, the Clean Energy Businesses and Con Edison Transmission (which had 14,010, 1,216, 356 and 9 employees, respectively). Of the CECONY and O&R employees, 8,267 and 627 employees, respectively, were represented by a collective bargaining unit. The collective bargaining agreement covering most of these CECONY employees expires in June 2020. Agreements covering other CECONY employees and O&R employees expire in June 2021 and May 2019, respectively.

Available Information

For the sources of information about the Companies, see "Available Information" in the "Introduction" appearing before this Item 1.

Item 1A: Risk Factors

Information in any item of this report as to which reference is made in this Item 1A is incorporated by reference herein. The use of such terms as "see" or "refer to" shall be deemed to incorporate at the place such term is used the information to which such reference is made.

The Companies' businesses are influenced by many factors that are difficult to predict, and that involve uncertainties that may materially affect actual operating results, cash flows and financial condition.

The Companies have established an enterprise risk management program to identify, assess, manage and monitor its major business risks based on established criteria for the severity of an event, the likelihood of its occurrence, and the programs in place to control the event or reduce the impact. The Companies' major risks include:

40CON EDISON ANNUAL REPORT 2017

Regulatory/Compliance Risks:

The Companies Are Extensively Regulated And Are Subject To Penalties. The Companies' operations require numerous permits, approvals and certificates from various federal, state and local governmental agencies. State utility regulators may seek to impose substantial penalties on the Utilities for violations of state utility laws, regulations or orders. In addition, the Utilities' rate plans usually include penalties for failing to meet certain operating and customer satisfaction standards. See Note B to the financial statements in Item 8. FERC has the authority to impose penalties on the Utilities and the Clean Energy Businesses, which could be substantial, for violations of the Federal Power Act, the Natural Gas Act or related rules, including reliability and cyber security rules. Environmental agencies may seek penalties for failure to comply with laws, regulations or permits. The Companies may also be subject to penalties from other regulatory agencies. The Companies may be subject to new laws, regulations or other requirements or the revision or reinterpretation of such requirements, which could adversely affect them. In April 2014, the NYSPSC instituted its REV proceeding to improve system efficiency and reliability, encourage renewable energy resources, support distributed energy resources and empower customer choice. See "Utility Regulation" and "Environmental Matters – Climate Change and Other Federal, State and Local Environmental Provisions" in Item 1 and "Application of Critical Accounting Policies" in Item 7.

The Utilities' Rate Plans May Not Provide A Reasonable Return. The Utilities have rate plans approved by state utility regulators that limit the rates they can charge their customers. The rates are generally designed for, but do not guarantee, the recovery of the Utilities' cost of service (including a return on equity). See "Utility Regulation – State Utility Regulation – Rate Plans" in Item 1 and "Rate Plans" in Note B to the financial statements in Item 8. Rates usually may not be changed during the specified terms of the rate plans other than to recover energy costs and limited other exceptions. The Utilities' actual costs may exceed levels provided for such costs in the rate plans. State utility regulators can initiate proceedings to prohibit the Utilities from recovering from their customers the cost of service (including energy costs) that the regulators determine to have been imprudently incurred (see "Other Regulatory Matters" in Note B to the financial statements in Item 8). The Utilities have from time to time entered into settlement agreements to resolve various prudence proceedings.

The Companies May Be Adversely Affected By Changes To The Utilities' Rate Plans. The Utilities' rate plans typically require action by regulators at their expiration dates, which may include approval of new plans with different provisions. The need to recover from customers increasing costs, taxes or state-mandated assessments or surcharges could adversely affect the Utilities' opportunity to obtain new rate plans that provide a reasonable rate of return and continue important provisions of current rate plans. The Utilities' current New York electric and gas rate plans include revenue decoupling mechanisms and their New York electric, gas and steam rate plans include provisions for the recovery of energy costs and reconciliation of the actual amount of pension and other postretirement, environmental and certain other costs to amounts reflected in rates. See "Rate Plans" and "Other Regulatory Matters" in Note B to the financial statements in Item 8.

The Intentional Misconduct of Employees or Contractors Could Adversely Affect the Companies. The violation of laws or regulations by employees or contractors for personal gain may result from contract and procurement fraud, extortion, bribe acceptance, fraudulent related-party transactions and serious breaches of corporate policy or standards of business conduct. Such intentional misconduct by employees or contractors could result in substantial liability, higher costs and increased regulatory requirements. See "Employees" in Item 1.

Operations Risks:

The Failure of, or Damage to, the Companies' Facilities Could Adversely Affect the Companies. The Utilities provide electricity, gas and steam service using energy facilities, many of which are located either in, or close to, densely populated public places. See the description of the Utilities' facilities in Item 1. A failure of, or damage to, these facilities, or an error in the operation or maintenance of these facilities, could result in bodily injury or death, property damage, the release of hazardous substances or extended service interruptions. A natural disaster such as a major storm, a heat wave or hurricane could damage facilities and the Utilities may experience more severe consequences from attempting to operate during and after such events. The Utilities' response to such events may be perceived to be below customer expectations. The Utilities could be required to pay substantial amounts that may not be covered by the Utilities' insurance policies to repair or replace their facilities, compensate others for injury or death

or other damage and settle any proceedings initiated by state utility regulators or other regulatory agencies. The occurrence of such events could also adversely affect the cost and availability of insurance. See “Other Regulatory Matters” in Note B and “Manhattan Explosion and Fire” in Note H to the financial statements in Item 8. Changes to laws, regulations or judicial doctrines could further expand the Utilities’ liability for service interruptions. See “Utility Regulation – State Utility Regulation” and “Environmental Matters” in Item 1.

A Cyber Attack Could Adversely Affect the Companies. The Companies and other operators of critical energy infrastructure and energy market participants face a heightened risk of cyber attack. Cyber attacks may include hacking, viruses, malware, denial of service attacks, ransomware or other data security breaches. The U.S. Department of Energy's Quadrennial Energy Review, issued in January 2017, indicated that cyber threats to the electricity system are increasing in sophistication, magnitude and frequency. The Companies' businesses require the continued operation of information systems and network infrastructure. See Item 1 for a description of the businesses of the Utilities, the Clean Energy Businesses and Con Edison Transmission. Interconnectivity with customers, independent system operators, energy traders and other energy market participants, suppliers, contractors and others exposes the Companies' information systems and network infrastructure to an increased risk of cyber attack and increases the risk that a cyber attack on the Companies could affect others. In the event of a cyber attack that the Companies were unable to defend against or mitigate, the Companies could have their operations and the operations of their customers and others disrupted. The Companies could also have their financial and other information systems and network infrastructure impaired, property damaged and customer and employee information stolen; experience substantial loss of revenues, response costs and other financial loss; and be subject to increased regulation, litigation and damage to their reputation. The Companies have experienced cyber attacks, although none of the attacks had a material impact.

Environmental Risks:

The Companies Are Exposed to Risks From The Environmental Consequences Of Their Operations. The Companies are exposed to risks relating to climate change and related matters. See "Environmental Matters – Climate Change" in Item 1. CECONY may also be impacted by regulations requiring reductions in air emissions. See "Environmental Matters – Other Federal, State and Local Environmental Provisions – Air Quality" in Item 1. In addition, the Utilities are responsible for hazardous substances, such as asbestos, PCBs and coal tar, that have been used or produced in the course of the Utilities' operations and are present on properties or in facilities and equipment currently or previously owned by them. See "Environmental Matters" in Item 1 and Note G to the financial statements in Item 8. The Companies could be adversely affected if a causal relationship between electric and magnetic fields and adverse health effects were to be established.

Financial and Market Risks:

A Disruption In The Wholesale Energy Markets Or Failure By An Energy Supplier Could Adversely Affect The Companies. Almost all the electricity and gas the Utilities sell to their full-service customers is purchased through the wholesale energy markets or pursuant to contracts with energy suppliers. See the description of the Utilities' energy supply in Item 1. A disruption in the wholesale energy markets or a failure on the part of the Utilities' energy suppliers or operators of energy delivery systems that connect to the Utilities' energy facilities could adversely affect their ability to meet their customers' energy needs and adversely affect the Companies. In addition, see "Financial and Commodity Market Risks" in Item 7.

The Companies Have Substantial Unfunded Pension And Other Postretirement Benefit Liabilities. The Utilities have substantial unfunded pension and other postretirement benefit liabilities. The Utilities expect to make substantial contributions to their pension and other postretirement benefit plans. Significant declines in the market values of the investments held to fund pension and other postretirement benefits could trigger substantial funding requirements under governmental regulations. See "Application of Critical Accounting Policies – Accounting for Pensions and Other Postretirement Benefits" and "Financial and Commodity Market Risks" in Item 7 and Notes E and F to the financial statements in Item 8.

Con Edison's Ability To Pay Dividends Or Interest Depends On Dividends From Its Subsidiaries. Con Edison's ability to pay dividends on its common stock or interest on its external borrowings depends primarily on the dividends and other distributions it receives from its subsidiaries. The dividends that the Utilities may pay to Con Edison are limited by the NYSPSC to not more than 100 percent of their respective income available for dividends calculated on a two-year rolling average basis, with certain exceptions. See "Dividends" in Note C to the financial statements in Item 8.

The Companies Require Access To Capital Markets To Satisfy Funding Requirements. The Utilities estimate that their construction expenditures will exceed \$9,500 million over the next three years. The Utilities use internally-generated funds, equity contributions from Con Edison, if any, and external borrowings to fund the

construction expenditures. The Clean Energy Businesses and Con Edison Transmission are investing in renewable generation and energy infrastructure projects that require funds in excess of those produced in the businesses. Con Edison expects to finance its capital requirements primarily through internally generated funds and the sale of its securities. Changes in financial market conditions or in the Companies' credit ratings could adversely affect their ability to raise new capital and the cost thereof. See "Capital Requirements and Resources" in Item 1.

42 CON EDISON ANNUAL REPORT 2017

Changes To Tax Laws Could Adversely Affect the Companies. Changes to tax laws, regulations or interpretations thereof could have a material adverse impact on the Companies. The reduction in the federal corporate income tax rate to 21 percent under the TCJA is expected to result in decreased cash flows from operating activities, and require increased cash flows from financing activities, for the Utilities as and when rates the Utilities charge their customers are adjusted to reflect the reduction. Depending on the extent of these changes in cash flows, the changes could adversely impact the Companies' credit ratings. See "Capital Requirements and Resources – Capital Resources" in Item 1, "Liquidity and Capital Resources – Cash Flows from Operating Activities" in Item 7, "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8.

Other Risks:

The Companies' Strategies May Not Be Effective To Address Changes In The External Business Environment. The failure to identify, plan and execute strategies to address changes in the external business environment could have a material adverse impact on the Companies. Con Edison seeks to provide shareholder value through continued dividend growth, supported by earnings growth in regulated utilities and contracted assets. Changes to public policy, laws or regulations (or interpretations thereof), customer behavior or technology could significantly impact the value of the Utilities' energy delivery facilities, the Clean Energy Businesses' renewable and energy infrastructure projects and Con Edison Transmission's investment in electric and gas transmission projects. Such changes could also affect the Companies' opportunities to make additional investments in such assets and the potential return on the investments. See "Utility Regulation – State Utility Regulation – New York Utility Industry – Reforming the Energy Vision," and "Competition" in Item 1.

The Companies Also Face Other Risks That Are Beyond Their Control. The Companies' results of operations can be affected by circumstances or events that are beyond their control. Weather directly influences the demand for electricity, gas and steam service, and can affect the price of energy commodities. Terrorist or other physical attacks or acts of war could damage Company facilities. Economic conditions can affect customers' demand and ability to pay for service, which could adversely affect the Companies.

Item 1B: Unresolved Staff Comments

Con Edison

Con Edison has no unresolved comments from the SEC staff.

CECONY

CECONY has no unresolved comments from the SEC staff.

Item 2: Properties

Con Edison

Con Edison has no significant properties other than those of the Utilities, the Clean Energy Businesses and Con Edison Transmission.

For information about the capitalized cost of the Companies' utility plant, net of accumulated depreciation, see "Plant and Depreciation" in Note A to the financial statements in Item 8 (which information is incorporated herein by reference).

CECONY

For a discussion of CECONY's electric, gas and steam facilities, see "CECONY – Electric Operations – Electric Facilities," "CECONY – Gas Operations – Gas Facilities" and "CECONY – Steam Operations – Steam Facilities" in Item 1 (which information is incorporated herein by reference).

O&R

For a discussion of O&R's electric and gas facilities, see "O&R – Electric Operations – Electric Facilities" and "O&R – Gas Operations – Gas Facilities" in Item 1 (which information is incorporated herein by reference).

Clean Energy Businesses

For a discussion of the Clean Energy Businesses' facilities, see "Clean Energy Businesses" in Item 1 (which information is incorporated herein by reference).

Con Edison Transmission

Con Edison Transmission has no properties. Con Edison Transmission has ownership interests in electric and gas transmission companies. For information about these companies, see "Con Edison Transmission" in Item 1 (which information is incorporated herein by reference).

Item 3: Legal Proceedings

For information about certain legal proceedings affecting the Companies, see "Other Regulatory Matters" in Note B, "Superfund Sites" and "Asbestos Proceedings" in Note G and "Manhattan Explosion and Fire" in Note H to the financial statements in Item 8 and "Environmental Matters – CECONY – Superfund" and "Environmental Matters – O&R – Superfund" in Item 1 of this report, which information is incorporated herein by reference.

Item 4: Mine Safety Disclosures

Not applicable.

44 CON EDISON ANNUAL REPORT 2017

Executive Officers of the Registrant

The following table sets forth certain information about the executive officers of Con Edison as of February 15, 2018. The term of office of each officer, is until the next election of directors (trustees) of their company and until his or her successor is chosen and qualifies. Officers are subject to removal at any time by the board of directors (trustees) of their company.

Name	Age	Offices and Positions During Past Five Years
John McAvoy	57	5/14 to present – Chairman of the Board, President and Chief Executive Officer and Director of Con Edison and Chairman, Chief Executive Officer and Trustee of CECONY 12/13 to 4/14 – President and Chief Executive Officer and Director of Con Edison and Chief Executive Officer and Trustee of CECONY 1/13 to 11/13 – President and Chief Executive Officer of O&R
Robert Hogle	56	9/05 to present – Senior Vice President and Chief Financial Officer of Con Edison and CECONY
Timothy P. Cawley	53	1/18 to present – President of CECONY 12/13 to 12/17 – President and Chief Executive Officer of O&R 11/13 – Senior Vice President of CECONY 12/12 to 10/13 – Senior Vice President – Central Operations of CECONY
Robert Sanchez	52	12/17 to present – President and Chief Executive Officer of O&R 11/17 – Senior Vice President of CECONY 9/16 to 10/17 – Senior Vice President – Corporate Shared Services of CECONY 9/14 to 8/16 – Vice President – Brooklyn & Queens Electric Operations of CECONY 5/11 to 8/14 – Vice President – System & Transmission Operations of CECONY
Mark Noyes	53	12/16 to present – President and Chief Executive Officer of Con Edison Clean Energy Businesses, Inc. 5/16 to present – President and Chief Executive Officer of Con Edison Solutions 10/15 to present – President and Chief Executive Officer of Con Edison Development and Con Edison Energy 10/14 to 9/15 – Senior Vice President and Chief Operating Officer of Con Edison Development and Con Edison Energy 3/09 to 9/14 – Vice President of Con Edison Development
Joseph P. Oates	56	9/16 to present – President and Chief Executive Officer of Con Edison Transmission, Inc. 1/16 to 8/16 – President of Con Edison Transmission, Inc. 9/15 to 8/16 – Senior Vice President – Corporate Shared Services of CECONY 9/12 to 8/15 – Senior Vice President – Business Shared Services of CECONY
Elizabeth D. Moore	63	5/13 to present – Senior Vice President and General Counsel of Con Edison and CECONY 5/09 to 4/13 – General Counsel of Con Edison and CECONY
Frances A. Resheske	57	2/02 to present – Senior Vice President – Corporate Affairs (formerly known as Public Affairs) of CECONY
Mary E. Kelly	49	11/17 to present – Senior Vice President – Corporate Shared Services of CECONY 1/16 to 10/17 – Vice President – Gas Engineering 1/14 to 12/15 – Vice President – Construction 5/09 to 12/14 – General Manager – Construction
Saumil P. Shukla	58	9/15 to present – Senior Vice President – Utility Shared Services of CECONY 10/14 to 8/15 – Vice President – Supply Chain (Shared Services) 9/07 to 9/14 – Vice President – Steam Operations of CECONY
Robert Muccilo	61	7/09 to present – Vice President and Controller of Con Edison and CECONY

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Yukari Saegusa 50 11/09 to present – Chief Financial Officer and Controller of O&R
9/16 to present – Treasurer of Con Edison and CECONY
8/16 to present – Vice President of Con Edison and CECONY
8/13 to present – Treasurer of O&R
3/13 to 7/16 – Director of Corporate Finance of CECONY
12/08 to 3/13 – Managing Director, Debt Capital Markets at Barclays Capital

Gurudatta Nadkarni 52 1/08 to present – Vice President of Strategic Planning of CECONY

CON EDISON ANNUAL REPORT 2017 45

Part II

Item 5: Market for the Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Con Edison

Con Edison's Common Shares (\$.10 par value), the only class of common equity of Con Edison, are traded on the New York Stock Exchange. As of January 31, 2018, there were 44,765 holders of record of Con Edison's Common Shares. The market price range for Con Edison's Common Shares during 2016 and 2017, as reported in the consolidated reporting system, and the dividends paid by Con Edison in 2016 and 2017 were as follows:

	2016			2017		
	High	Low	Dividends Paid	High	Low	Dividends Paid
1st Quarter	\$77.02	\$63.47	\$0.67	\$78.98	\$72.13	\$0.69
2nd Quarter	\$80.44	\$70.31	\$0.67	\$85.13	\$77.14	\$0.69
3rd Quarter	\$81.88	\$72.93	\$0.67	\$86.16	\$80.02	\$0.69
4th Quarter	\$76.03	\$68.76	\$0.67	\$89.70	\$80.26	\$0.69

On January 18, 2018, Con Edison declared a quarterly dividend of 71.5 cents per Common Share. The first quarter 2018 dividend will be paid on March 15, 2018.

Con Edison expects to pay dividends to its shareholders primarily from dividends and other distributions it receives from its subsidiaries. The payment of future dividends is subject to approval and declaration by Con Edison's Board of Directors and will depend on a variety of factors including business, financial and regulatory considerations. For additional information, see "Dividends" in Note C to the financial statements in Item 8 (which information is incorporated herein by reference).

During 2017, the market price of Con Edison's Common Shares increased by 15.3 percent (from \$73.68 at year-end 2016 to \$84.95 at year-end 2017). By comparison, the S&P 500 Index increased 19.4 percent and the S&P 500 Utilities Index increased 8.3 percent. The total return to Con Edison's common shareholders during 2017, including both price appreciation and investment of dividends, was 19.3 percent. By comparison, the total returns for the S&P 500 Index and the S&P 500 Utilities Index were 21.8 percent and 12.1 percent, respectively. For the five-year period 2013 through 2017 inclusive, Con Edison's shareholders' total return was 86.3 percent, compared with total returns for the S&P 500 Index and the S&P 500 Utilities Index of 108.1 percent and 81.1 percent, respectively.

Company / Index	Years Ended December 31,						
	2012	2013	2014	2015	2016	2017	
Consolidated Edison, Inc.	100.00	103.79	129.53	131.36	156.23	186.34	
S&P 500 Index	100.00	132.39	150.51	152.59	170.84	208.14	
S&P Utilities	100.00	113.21	146.02	138.95	161.57	181.13	

Based on \$100 invested at December 31, 2012, reinvestment of all dividends in equivalent shares of stock and market price changes on all such shares.

CECONY

The outstanding shares of CECONY's Common Stock (\$2.50 par value) are the only class of common equity of CECONY. They are held by Con Edison and are not traded.

The dividends declared by CECONY in 2016 and 2017 are shown in its Consolidated Statement of Shareholder's Equity included in Item 8 (which information is incorporated herein by reference). For additional information about the payment of dividends by CECONY, and restrictions thereon, see "Dividends" in Note C to the financial statements in Item 8 (which information is incorporated herein by reference).

Item 6: Selected Financial Data

For selected financial data of Con Edison and CECONY, see "Introduction" appearing before Item 1 (which selected financial data is incorporated herein by reference).

Item 7: Management's Discussion and Analysis of Financial Condition and Results of Operations

This combined management's discussion and analysis of financial condition and results of operations relates to the consolidated financial statements included in this report of two separate registrants: Con Edison and CECONY, and should be read in conjunction with the financial statements and the notes thereto. As used in this report, the term the "Companies" refers to Con Edison and CECONY. CECONY is a subsidiary of Con Edison and, as such, information in this management's discussion and analysis about CECONY applies to Con Edison.

Information in any item of this report referred to in this discussion and analysis is incorporated by reference herein.

The use of terms such as "see" or "refer to" shall be deemed to incorporate by reference into this discussion and analysis the information to which reference is made.

Corporate Overview

Con Edison's principal business operations are those of the Utilities. Con Edison's business operations also include those of the Clean Energy Businesses and Con Edison Transmission. See "The Utilities," "Clean Energy Businesses" and "Con Edison Transmission" in Item 1, and segment financial information in Note N to the financial statements in Item 8 and "Results of Operations," below. Certain financial data of Con Edison's businesses are presented below:

(Millions of Dollars, except percentages)	For the Year Ended December 31, 2017				At December 31, 2017	
	Operating Revenues		Net Income		Assets	
CECONY	\$10,468	87	%1,104	72	% \$40,451	84
O&R	874	7	%64	4	% 2,773	6
Total Utilities	11,342	94	%1,168	76	% 43,224	90
Clean Energy Businesses (a)(b)	694	6	%332	22	% 2,735	6
Con Edison Transmission (b)	3	—	%44	3	% 1,222	2
Other (b)(c)	(6)	—	%(19)	(1)	%930	2
Total Con Edison	\$12,033	100	%\$1,525	100	% \$48,111	100

(a) Net income from the Clean Energy Businesses for the year ended December 31, 2017 includes \$1 million net after-tax gain related to the sale of a development stage solar electric production project (see Note U to the financial statements in Item 8). Also includes for the year ended December 31, 2017, \$1 million of net after-tax mark-to-market gain.

(b) Upon enactment of the TCJA, Con Edison re-measured its deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the federal Tax Cuts and Jobs Act of 2017, as enacted on December 22, 2017 (TCJA). As a result, Con Edison decreased its net deferred tax liabilities by \$5,312 million, recognized \$259 million in net income, decreased its regulatory asset for future income tax by \$1,250 million, decreased its regulatory asset for revenue taxes by \$90 million and accrued a regulatory liability for future income tax of \$3,713 million. The amount recognized in net income for the Clean Energy Businesses, Con Edison Transmission and the parent company was \$269 million, \$11 million and \$(21) million, respectively. See "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8.

(c) Other includes parent company and consolidation adjustments.

Results of Operations

Net income and earnings per share for the years ended December 31, 2017, 2016 and 2015 were as follows:

(Millions of Dollars, except per share amounts)	Net Income			Earnings per Share		
	2017	2016	2015	2017	2016	2015
CECONY	\$1,104	\$1,056	\$1,084	\$3.59	\$3.52	\$3.70
O&R (a)	64	59	52	0.21	0.20	0.18
Clean Energy Businesses (b)(c)	332	118	59	1.08	0.39	0.20

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Con Edison Transmission (c)	44	20	—	0.15	0.07	—
Other (c)(d)	(19)	(8)	(2)	(0.06)	(0.03)	(0.01)
Con Edison (e)	\$1,525	\$1,245	\$1,193	\$4.97	\$4.15	\$4.07

(a) Includes \$3 million or \$0.01 a share of net loss in 2015 related to the impairment of certain assets held for sale (see Note U to the financial statements in Item 8).

(b) Includes \$1 million or \$0.00 a share of net after-tax gain on the sale of a solar electric production project in 2017 (see Note U to the financial statements in Item 8). Also includes \$56 million or \$0.19 a share of net gain related to the sale of the retail electric supply business and \$(12) million or \$(0.04) a share of net loss related to the goodwill impairment charge on two energy services companies in 2016 (see Notes U and K to the financial statements in Item 8). Includes \$1 million or \$0.00 a share, \$3 million or \$0.02 a share and \$(73) million or \$(0.25) a share of net after-tax mark-to-market gains/(losses) in 2017, 2016 and 2015, respectively.

(c) Upon enactment of the TCJA, Con Edison re-measured its deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under TCJA. As a result, Con Edison decreased its net deferred tax liabilities by \$5,312 million, recognized \$259 million in net income, decreased its regulatory asset for future income tax by \$1,250 million, decreased its regulatory asset for revenue taxes by \$90 million and accrued a regulatory liability for future income tax of \$3,713 million. The amount recognized in net income for the Clean Energy

48 CON EDISON ANNUAL REPORT 2017

Businesses, Con Edison Transmission and the parent company was \$269 million, \$11 million and \$(21) million, respectively. See “Other Regulatory Matters” in Note B and Note L to the financial statements in Item 8.

(d) Other includes parent company and consolidation adjustments.

(e) Earnings per share on a diluted basis were \$4.94 a share, \$4.12 a share and \$4.05 a share in 2017, 2016 and 2015, respectively.

The Companies’ results of operations for 2017, as compared with 2016, and for 2016, as compared with 2015, reflect changes in the Utilities’ rate plans and regulatory charges and the impact of weather on steam revenues. The results of operations also reflect income from renewable investments at the Clean Energy Businesses. The results of operations for 2017, as compared with 2016, reflect income from equity investments at Con Edison Transmission, and for 2016, as compared with 2015, reflect higher electric retail gross profit at the Clean Energy Businesses. Operations and maintenance expenses for CECONY for 2017, as compared with 2016, primarily reflect lower costs for pensions and other postretirement benefits. For 2016, as compared with 2015, operations and maintenance expenses reflect lower costs for uncollectible expenses; and for the Utilities reflect lower surcharges for assessments and fees that are collected in revenues from customers. In addition, the Utilities’ rate plans provide for revenues to cover expected changes in certain operating costs including depreciation, property taxes and other tax matters.

The following tables present the estimated effect on earnings per share and net income for 2017 as compared with 2016, and 2016 as compared with 2015, resulting from these and other major factors:

Variation for the Years Ended December 31, 2017 vs. 2016

Net
Earnings
(Millions
Share
Dollars)

CECONY (a)

		Reflects higher electric net base revenues of \$0.10 a share resulting from the increased base rates under the company's new electric rate plan, higher gas net base revenues of \$0.21 a share, growth in the number of gas customers of \$0.05 a share, incentives earned under the Earnings Adjustment Mechanisms of \$0.03 a share and the Energy Efficiency Portfolio Standard of \$0.04 a share, a property tax refund incentive of \$0.01 a share, lower retention of TCC auction proceeds of \$(0.03) a share, and an increase to the regulatory reserve related to certain gas proceedings in 2016 of \$0.03 a share.
Changes in rate plans and regulatory charges	\$0.43	
Weather impact on steam revenues	6.02	
Operations and maintenance expenses	9.30	Reflects lower pension and other postretirement benefits costs of \$0.29 a share.
Depreciation, property taxes and other tax matters	(0.70)	Reflects higher depreciation and amortization expense of \$(0.18) a share, property taxes of \$(0.27) a share, and income taxes of \$(0.12) a share.
Other	(2.15)	Includes the dilutive effect of Con Edison's stock issuances.
Total CECONY	4.87	
O&R (a)		
Changes in rate plans and regulatory charges	0.86	Reflects higher electric and gas net base revenues of \$0.01 and \$0.04 a share, respectively.
Operations and maintenance expenses	(9.03)	Reflects higher pension costs.
Depreciation, property taxes and other tax matters	(6.03)	
Other	2.01	Includes the dilutive effect of Con Edison's stock issuances.
Total O&R	6.01	
Clean Energy Businesses		
Operating revenues less energy costs	9.33	Reflects revenues from the engineering, procurement and construction of Upton 2 and higher revenues from renewable electric production projects, lower revenues and energy costs resulting from the retail electric supply business that was sold in September 2016. Includes \$0.01 a share net after-tax mark-to-market gains in 2016. Substantially all the mark-to-market effects in the 2016 periods were related to the retail electric business sold in September 2016.
Operations and maintenance expenses	(8.90)	Reflects Upton 2 engineering, procurement and construction costs and higher energy service costs.
Depreciation	(0.96)	
Net interest expense	(5.02)	
Gain on sale of the Clean Energy Businesses' retail electric supply business	5.69	

in 2016

Goodwill impairment
related to the Clean
Energy Businesses' ~~(0.24)~~
energy service business

in 2016

Gain on sale of the Clean
Energy Businesses' solar ~~(+)~~
electric production
project

Enactment of the TCJA ~~0.68~~

Other ~~(0.49)~~ Includes the dilutive effect of Con Edison's stock issuances.

Total Clean Energy
Businesses ~~0.69~~

Con Edison ~~0.48~~ Includes the effect of the TCJA of \$0.04 a share. Reflects income from equity
Transmission investments and the dilutive effect of Con Edison's stock issuances.

Other, including parent ~~(0.03)~~ Includes the effect of the TCJA of \$(0.07) a share. Reflects higher state income
company expenses tax benefits and the dilutive effect of Con Edison's stock issuances.

Total ~~\$0.82~~

a.

Under the revenue decoupling mechanisms in the Utilities' New York electric and gas rate plans and the weather-normalization clause applicable to their gas businesses, revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. In general, the utilities recover on a current basis the fuel, gas purchased for resale and purchased power costs they incur in supplying energy to their full-service customers. Accordingly, such costs do not generally affect Con Edison's results of operations.

50 CON EDISON ANNUAL REPORT 2017

Variation for the Years Ended December 31, 2016 vs. 2015

Earnings

per

Share

(in

Millions

of

Dollars)

CECONY (a)

Changes in rate plans and regulatory charges	\$0.64	Reflects higher electric, gas, and steam net base revenues of \$0.07 a share, \$0.11 a share, and \$0.04 a share, respectively, lower regulatory reserves related to electric and steam earnings sharing of \$0.10 a share, and an increase to the regulatory reserve related to certain gas proceedings of \$(0.03) a share.
Weather impact on steam revenues	(0.07)	
Operations and maintenance expenses	0.5	Reflects lower regulatory assessments and fees that are collected in revenues from customers.
Depreciation, property taxes and other tax matters	(0.26)	Reflects higher depreciation and amortization expense of \$(0.14) a share, property taxes of \$(0.19) a share, and income taxes of \$(0.10) a share.
Other	(0.27)	Includes the dilutive effect of Con Edison's stock issuances.
Total CECONY	(0.88)	
O&R (a)		
Changes in rate plans and regulatory charges	+	
Operations and maintenance expenses	0.06	Reflects lower pension costs of \$0.04 a share and higher operating costs of \$(0.02) a share. Includes the charge-off of certain regulatory assets of \$(0.04) a share in 2015.
Depreciation, property taxes and other tax matters	(0.03)	Reflects primarily higher property taxes of \$(0.03) a share.
Other	(0.01)	Includes the impairment of certain assets held for sale in 2015 of \$0.01 a share and the dilutive effect of Con Edison's stock issuances.
Total O&R	0.02	
Clean Energy Businesses		
Operating revenues less energy costs	4.4	Reflects higher revenues from renewable electric production projects and energy services. Includes \$0.01 a share net after-tax mark-to market gains in 2016. Substantially, all the mark-to-market effects in the 2016 periods were related to the retail electric business sold in September 2016.
Gain on sale of the Clean Energy Businesses' retail electric supply business	6.9	
Operations and maintenance expenses	(0.86)	Reflects primarily higher energy service costs.
Net interest expense	(0.45)	
Other	(8.03)	Includes the dilutive effect of Con Edison's stock issuances.
Total Clean Energy Businesses	6.9	
	2.07	

Con Edison Transmission		Reflects income from equity investments and the dilutive effect of Con Edison's stock issuances.
Other, including parent company expenses	(6,02)	Reflects primarily certain income tax benefits in 2015.
Total	\$0.08	

a.

Under the revenue decoupling mechanisms in the Utilities' New York electric and gas rate plans and the weather-normalization clause applicable to their gas businesses, revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. In general, the utilities recover on a current basis the fuel, gas purchased for resale and purchased power costs they incur in supplying energy to their full-service customers. Accordingly, such costs do not generally affect Con Edison's results of operations.

The Companies' other operations and maintenance expenses for the years ended December 31, 2017, 2016 and 2015 were as follows:

(Millions of Dollars)	2017	2016	2015
CECONY			
Operations	\$1,528	\$1,477	\$1,464
Pensions and other postretirement benefits	202	348	364
Health care and other benefits	170	160	159
Regulatory fees and assessments (a)	476	469	550
Other	294	352	344
Total CECONY	2,670	2,806	2,881
O&R	316	301	333
Clean Energy Businesses	313	164	134
Con Edison Transmission	10	3	—
Other (b)	(6)	(5)	(4)
Total other operations and maintenance expenses	\$3,303	\$3,269	\$3,344

(a) Includes Demand Side Management, System Benefit Charges and Public Service Law 18A assessments which are collected in revenues.

(b) Includes parent company and consolidation adjustments.

Con Edison's principal business segments are CECONY's regulated utility activities, O&R's regulated utility activities, the Clean Energy Businesses and Con Edison Transmission. CECONY's principal business segments are its regulated electric, gas and steam utility activities. A discussion of the results of operations by principal business segment for the years ended December 31, 2017, 2016 and 2015 follows. For additional business segment financial information, see Note N to the financial statements in Item 8.

Year Ended December 31, 2017 Compared with Year Ended December 31, 2016

The Companies' results of operations in 2017 compared with 2016 were:

	CECONY O&R	Clean Energy Businesses	Con Edison Transmission	Other (a)	Con Edison (b)		
(Millions of Dollars)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Amount	Percent
	Percent	Percent	Percent	Percent	Percent		
Operating revenues	\$303 %	\$55 %	\$369) %	\$3 %	\$4 %	\$(42)	(0.3) %
Purchased power	(958)	(610)	(674)	—	(2)	(838)	(34.4)
Fuel	25.6	—	—	—	—	44	25.6
Gas purchased for resale	5919	35.3	14 %	—	—	331	69.4
Other operations and maintenance	(436)	550	909	7 %	(20.0)	34	1.0
Depreciation and amortization	890	4.0	35.2	1—	(14 %)	125	10.3
Taxes, other than income taxes	625	3.8	(20.0)	—	—	124	6.1
Gain on sale of retail electric supply business (2016) and solar electric production project (2017)	—	—	(993)	—	—	(103)	(99.0)
Operating income	643	815	(624)	(5 %)	—	35	1.4
Other income less deductions	7—	—	50.0	36.0	(3 %)	52	81.3
Net interest expense	203	—	26.5	1 %	(65.3)	33	4.7
Income before income tax expense	138	11.6	(652)	24.7	38.8	54	2.8
Income tax expense	82.6	66.7	(326)	(24.3)	(14 %)	(226)	(32.4)
Net income	\$48 %	\$55 %	\$214 %	\$24 %	\$(4 %)	\$280	22.5 %

(a) Includes parent company and consolidation adjustments.

(b) Represents the consolidated results of operations of Con Edison and its businesses.

CECONY

(Millions of Dollars)	For the Year Ended December 31, 2017				For the Year Ended December 31, 2016				2017-2016 Variation
	Electric	Gas	Steam	2017 Total	Electric	Gas	Steam	2016 Total	
Operating revenues	\$7,972	\$1,901	\$595	\$10,468	\$8,106	\$1,508	\$551	\$10,165	\$303
Purchased power	1,379	—	36	1,415	1,533	—	35	1,568	(153)
Fuel	127	—	89	216	104	—	68	172	44
Gas purchased for resale	—	510	—	510	—	319	—	319	191
Other operations and maintenance	2,054	436	180	2,670	2,210	408	188	2,806	(136)
Depreciation and amortization	925	185	85	1,195	865	159	82	1,106	89
Taxes, other than income taxes	1,625	298	134	2,057	1,547	265	120	1,932	125
Operating income	\$1,862	\$472	\$71	\$2,405	\$1,847	\$357	\$58	\$2,262	\$143

Electric

CECONY's results of electric operations for the year ended December 31, 2017 compared with the year ended December 31, 2016 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	Variation
Operating revenues	\$7,972	\$8,106	\$(134)
Purchased power	1,379	1,533	(154)
Fuel	127	104	23
Other operations and maintenance	2,054	2,210	(156)
Depreciation and amortization	925	865	60
Taxes, other than income taxes	1,625	1,547	78
Electric operating income	\$1,862	\$1,847	\$15

CECONY's electric sales and deliveries in 2017 compared with 2016 were:

Description	Millions of kWh Delivered For the Years Ended				Revenues in Millions (a) For the Years Ended			
	December 31, 2017	December 31, 2016	Variation	Percent Variation	December 31, 2017	December 31, 2016	Variation	Percent Variation
Residential/Religious (b)	9,924	10,400	(476)	(4.6)%	\$2,515	\$2,591	\$(76)	(2.9)%
Commercial/Industrial	9,246	9,429	(183)	(1.9)%	1,823	1,803	20	1.1
Retail choice customers	26,136	26,813	(677)	(2.5)%	2,712	2,768	(56)	(2.0)%
NYPA, Municipal Agency and other sales	10,012	10,103	(91)	(0.9)%	633	620	13	2.1
Other operating revenues (c)	—	—	—	—	289	324	(35)	(10.8)%
Total	55,318	56,745	(1,427)	(2.5)%	(d)\$7,972	\$8,106	\$(134)	(1.7)%

Revenues from electric sales are subject to a revenue decoupling mechanism, as a result of which, delivery (a) revenues generally are not affected by changes in delivery volumes from levels assumed when rates were approved.

(b) "Residential/Religious" generally includes single-family dwellings, individual apartments in multi-family dwellings, religious organizations and certain other not-for-profit organizations.

(c) Other electric operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the revenue decoupling mechanism and other provisions of the company's rate plans. See Note B to the financial

statements in Item 8.

(d) After adjusting for variations, primarily weather and billing days, electric delivery volumes in CECONY's service area decreased 1.1 percent in 2017 compared with 2016.

Operating revenues decreased \$134 million in 2017 compared with 2016 due primarily to lower purchased power expenses (\$154 million), offset in part by higher fuel expenses (\$23 million).

Purchased power expenses decreased \$154 million in 2017 compared with 2016 due to lower unit costs (\$86 million) and purchased volumes (\$68 million).

54CON EDISON ANNUAL REPORT 2017

Fuel expenses increased \$23 million in 2017 compared with 2016 due to higher unit costs.

Other operations and maintenance expenses decreased \$156 million in 2017 compared with 2016 due primarily to lower costs for pension and other postretirement benefits (\$126 million) and other employee benefits related to a rabbi trust (\$22 million).

Depreciation and amortization increased \$60 million in 2017 compared with 2016 due primarily to higher electric utility plant balances.

Taxes, other than income taxes increased \$78 million in 2017 compared with 2016 due primarily to higher property taxes (\$97 million) and the absence in 2017 of a favorable state audit settlement in 2016 (\$5 million), offset in part by deferral of under-collected property taxes due to new property tax rates for fiscal year 2017 – 2018 (\$21 million) and lower state and local taxes (\$4 million).

Gas

CECONY's results of gas operations for the year ended December 31, 2017 compared with the year ended December 31, 2016 is as follows:

(Millions of Dollars)	For the Years Ended		
	December 31,		
	2017	2016	Variation
Operating revenues	\$1,901	\$1,508	\$393
Gas purchased for resale	510	319	191
Other operations and maintenance	436	408	28
Depreciation and amortization	185	159	26
Taxes, other than income taxes	298	265	33
Gas operating income	\$472	\$357	\$115

CECONY's gas sales and deliveries, excluding off-system sales, in 2017 compared with 2016 were:

Description	Thousands of Dt Delivered				Revenues in Millions (a)				
	For the Years Ended				For the Years Ended				
	December 31, 2017	December 31, 2016	Variation	Percent Variation	December 31, 2017	December 31, 2016	Variation	Percent Variation	
Residential	52,244	47,794	4,450	9.3 %	\$802	\$667	\$135	20.2 %	
General	30,761	28,098	2,663	9.5	334	266	68	25.6	
Firm transportation	71,353	68,442	2,911	4.3	524	426	98	23.0	
Total firm sales and transportation	154,358	144,334	10,024	6.9	(b) 1,660	1,359	301	22.1	
Interruptible sales (c)	7,553	8,957	(1,404)	(15.7)	35	34	1	2.9	
NYPA	37,033	43,101	(6,068)	(14.1)	2	2	—	—	
Generation plants	61,800	87,835	(26,035)	(29.6)	25	25	—	—	
Other	21,317	21,165	152	0.7	31	32	(1)	(3.1)	
Other operating revenues (d)	—	—	—	—	148	56	92	Large	
Total	282,061	305,392	(23,331)	(7.6)%	\$1,901	\$1,508	\$393	26.1 %	

Revenues from gas sales are subject to a weather normalization clause and a revenue decoupling mechanism, as a result of which, delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved.

After adjusting for variations, primarily billing days, firm gas sales and transportation volumes in the company's service area increased 5.9 percent in 2017 compared with 2016, reflecting primarily increased volumes attributable to the growth in the number of gas customers.

Includes 3,816 thousands and 4,708 thousands of Dt for 2017 and 2016, respectively, which are also reflected in firm transportation and other.

(d)

Other gas operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the company's rate plans. See Note B to the financial statements in Item 8.

Operating revenues increased \$393 million in 2017 compared with 2016 due primarily to increased gas purchased for resale expense (\$191 million) and higher revenues from the gas rate plan and growth in the number of customers (\$182 million).

Gas purchased for resale increased \$191 million in 2017 compared with 2016 due to higher unit costs (\$176 million) and purchased volumes (\$15 million).

CON EDISON ANNUAL REPORT 2017 55

Other operations and maintenance expenses increased \$28 million in 2017 compared with 2016 due primarily to higher pension and other postretirement benefits costs (\$12 million), health and life insurance expenses (\$7 million) and surcharges for assessments and fees that are collected in revenues from customers (\$5 million).

Depreciation and amortization increased \$26 million in 2017 compared with 2016 due primarily to higher gas utility plant balances.

Taxes, other than income taxes increased \$33 million in 2017 compared with 2016 due primarily to higher property taxes (\$25 million), state and local taxes (\$7 million) and payroll taxes (\$4 million), offset in part by deferral of under-collected property taxes due to new property tax rates for fiscal year 2017 – 2018 (\$4 million).

Steam

CECONY's results of steam operations for the year ended December 31, 2017 compared with the year ended December 31, 2016 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	Variation
Operating revenues	\$595	\$551	\$44
Purchased power	36	35	1
Fuel	89	68	21
Other operations and maintenance	180	188	(8)
Depreciation and amortization	85	82	3
Taxes, other than income taxes	134	120	14
Steam operating income	\$71	\$58	\$13

CECONY's steam sales and deliveries in 2017 compared with 2016 were:

Description	Millions of Pounds Delivered				Revenues in Millions				
	For the Years Ended				For the Years Ended				
	December 31, 2017	December 31, 2016	Variation	Percent Variation	December 31, 2017	December 31, 2016	Variation	Percent Variation	
General	490	465	25	5.4 %	\$26	\$23	\$3	13.0 %	
Apartment house	5,754	5,792	(38)	(0.7 %)	158	148	10	6.8	
Annual power	13,166	13,722	(556)	(4.1 %)	392	378	14	3.7	
Other operating revenues (a)	—	—	—	—	19	2	17	Large	
Total	19,410	19,979	(569)	(2.8 %)	(b) \$595	\$551	\$44	8.0 %	

(a) Other steam operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the company's rate plan. See Note B to the financial statements in Item 8.

(b) After adjusting for variations, primarily weather and billing days, steam sales and deliveries decreased 3.8 percent in 2017 compared with 2016.

Operating revenues increased \$44 million in 2017 compared with 2016 due primarily to higher fuel expenses (\$21 million), the weather impact on revenues (\$10 million), a property tax refund incentive in 2017 (\$5 million) and lower regulatory reserve related to steam earnings sharing (\$3 million).

Purchased power expenses increased \$1 million in 2017 compared with 2016 due to higher unit costs (\$4 million), offset by lower purchased volumes (\$3 million).

Fuel expenses increased \$21 million in 2017 compared with 2016 due to higher unit costs.

Other operations and maintenance expenses decreased \$8 million in 2017 compared with 2016 due primarily to lower equipment maintenance expenses (\$6 million) and lower municipal infrastructure support costs (\$2 million).

Depreciation and amortization increased \$3 million in 2017 compared with 2016 due primarily to higher steam utility plant balances.

Taxes, other than income taxes increased \$14 million in 2017 compared with 2016 due primarily to higher property taxes (\$13 million) and state and local taxes (\$1 million).

56CON EDISON ANNUAL REPORT 2017

Taxes, Other Than Income Taxes

At \$2,057 million, taxes other than income taxes remain one of CECONY's largest operating expenses. The principal components of, and variations in, taxes other than income taxes were:

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	Variation
Property taxes	\$1,692	\$1,557	\$135
State and local taxes related to revenue receipts	319	315	4
Payroll taxes	67	65	2
Other taxes	(21)	(5)	(16)
Total	\$2,057	(a)\$1,932	(a)\$125

(a) Including sales tax on customers' bills, total taxes other than income taxes in 2017 and 2016 were \$2,495 and \$2,358 million, respectively.

Other Income (Deductions)

Other income (deductions) increased \$7 million in 2017 compared with 2016 due primarily to an increase in investment and other income.

Net Interest Expense

Net interest expense increased \$20 million in 2017 compared with 2016 due primarily to higher long-term debt balances in 2017.

Income Tax Expense

Income taxes increased \$82 million in 2017 compared with 2016 due primarily to higher income before income tax expense (\$52 million), a decrease in tax benefits for plant-related flow through items (\$35 million), lower research and development tax credits (\$8 million) and a higher reserve for injuries and damages (\$5 million), offset in part by lower state income taxes (\$7 million) and higher tax credits included in Con Edison's filing of its 2016 consolidated federal tax return in September 2017 (\$6 million).

O&R

(Millions of Dollars)	For the Year Ended December 31, 2017			For the Year Ended December 31, 2016			2017-2016 Variation
	Electric	Gas	2017 Total	Electric	Gas	2016 Total	
Operating revenues	\$642	\$232	\$874	\$637	\$184	\$821	\$53
Purchased power	191	—	191	197	—	197	(6)
Gas purchased for resale	—	73	73	—	47	47	26
Other operations and maintenance	247	69	316	244	57	301	15
Depreciation and amortization	51	20	71	49	18	67	4
Taxes, other than income taxes	53	29	82	52	27	79	3
Operating income	\$100	\$41	\$141	\$95	\$35	\$130	\$11

Electric

O&R's results of electric operations for the year ended December 31, 2017 compared with the year ended December 31, 2016 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	Variation
Operating revenues	\$642	\$637	\$5

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Purchased power	191	197	(6)
Other operations and maintenance	247	244	3
Depreciation and amortization	51	49	2
Taxes, other than income taxes	53	52	1
Electric operating income	\$100	\$95	\$5

CON EDISON ANNUAL REPORT 2017 57

O&R's electric sales and deliveries in 2017 compared with 2016 were:

Description	Millions of kWh Delivered				Revenues in Millions (a)				
	For the Years Ended				For the Years Ended				
	December 31, 2017	December 31, 2016	Variation	Percent Variation	December 31, 2017	December 31, 2016	Variation	Percent Variation	
Residential/Religious (b)	1,567	1,654	(87)	(5.3)	\$311	\$304	\$7	2.3	%
Commercial/Industrial	763	801	(38)	(4.7)	113	114	(1)	(0.9))
Retail choice customers	2,976	3,180	(204)	(6.4)	201	213	(12)	(5.6))
Public authorities	105	100	5	5.0	9	8	1	12.5	
Other operating revenues (c)	—	—	—	—	8	(2)	10	Large	
Total	5,411	5,735	(324)	(5.6)	%(d)\$642	\$637	\$5	0.8	%

O&R's New York electric delivery revenues are subject to a revenue decoupling mechanism, as a result of which, delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. O&R's electric sales in New Jersey are not subject to a decoupling mechanism, and as a result, changes in such volumes do impact revenues.

(b) "Residential/Religious" generally includes single-family dwellings, individual apartments in multi-family dwellings, religious organizations and certain other not-for-profit organizations.

(c) Other electric operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the company's electric rate plan. See Note B to the financial statements in Item 8.

(d) After adjusting for weather and other variations, electric delivery volumes in O&R's service area decreased 2.2 percent in 2017 compared with 2016.

Operating revenues increased \$5 million in 2017 compared with 2016 due primarily to higher revenues from the New York electric rate plan (\$14 million) and RECO transmission rate relief (\$2 million), offset in part by lower purchased power expenses (\$6 million) and the absence of revenues in 2017 from Pike County Light & Power Company (Pike), which was sold in 2016 (\$4 million).

Purchased power expenses decreased \$6 million in 2017 compared with 2016 due to lower purchased volumes (\$5 million) and unit costs (\$1 million).

Other operations and maintenance expenses increased \$3 million in 2017 compared with 2016 due primarily to operating costs related to weather events in 2017 (\$2 million) and higher surcharges for assessments and fees that are collected in revenues from customers (\$1 million).

Depreciation and amortization increased \$2 million in 2017 compared with 2016 due primarily to higher electric utility plant balances.

Taxes, other than income taxes increased \$1 million in 2017 compared with 2016 due primarily to higher property taxes (\$2 million), offset in part by lower state and local taxes (\$1 million).

Gas
O&R's results of gas operations for the year ended December 31, 2017 compared with the year ended December 31, 2016 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	Variation
Operating revenues	\$232	\$184	\$48
Gas purchased for resale	73	47	26
Other operations and maintenance	69	57	12
Depreciation and amortization	20	18	2
Taxes, other than income taxes	29	27	2
Gas operating income	\$41	\$35	\$6

58CON EDISON ANNUAL REPORT 2017

O&R's gas sales and deliveries, excluding off-system sales, in 2017 compared with 2016 were:

Description	Thousands of Dt Delivered				Revenues in Millions (a)					
	For the Years Ended				For the Years Ended					
	December 31, 2017	December 31, 2016	Variation	Percent Variation	December 31, 2017	December 31, 2016	Variation	Percent Variation		
Residential	8,296	7,872	424	5.4	%	\$115	\$84	\$31	36.9	%
General	2,184	1,851	333	18.0		24	15	9	60.0	
Firm transportation	9,873	10,381	(508)	(4.9)	)	74	70	4	5.7	
Total firm sales and transportation	20,353	20,104	249	1.2	(b)	213	169	44	26.0	
Interruptible sales	3,771	3,853	(82)	(2.1)	)	7	3	4	Large	
Generation plants	9	18	(9)	(50.0))	—	—	—	—	
Other	896	867	29	3.3		1	—	1	—	
Other gas revenues	—	—	—	—		11	12	(1)	(8.3))
Total	25,029	24,842	187	0.8	%	\$232	\$184	\$48	26.1	%

Revenues from New York gas sales are subject to a weather normalization clause and a revenue decoupling (a) mechanism, as a result of which, delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved.

(b) After adjusting for weather and other variations, total firm sales and transportation volumes decreased 0.8 percent in 2017 compared with 2016.

Operating revenues increased \$48 million in 2017 compared with 2016 due primarily to the increase in gas purchased for resale (\$26 million) and higher revenues from the New York gas rate plan (\$18 million).

Gas purchased for resale increased \$26 million in 2017 compared with 2016 due to higher purchased volumes (\$13 million) and unit costs (\$13 million).

Other operations and maintenance expenses increased \$12 million in 2017 compared with 2016 due primarily to higher pension costs.

Depreciation and amortization increased \$2 million in 2017 compared with 2016 due primarily to higher gas utility plant balances.

Taxes, other than income taxes increased \$2 million in 2017 compared with 2016 due primarily to higher property taxes (\$1 million) and state and local taxes (\$1 million).

Taxes, Other Than Income Taxes

Taxes, other than income taxes, increased \$3 million in 2017 compared with 2016. The principal components of taxes, other than income taxes, were:

(Millions of Dollars)	For the Years Ended		
	2017	2016	Variation
Property taxes	\$66	\$63	\$3
State and local taxes related to revenue receipts	9	10	(1)
Payroll taxes	7	6	1
Total	\$82 (a)	\$79 (a)	\$3

(a) Including sales tax on customers' bills, total taxes other than income taxes in 2017 and 2016 were \$109 million and \$105 million, respectively.

Income Tax Expense

Income taxes increased \$6 million in 2017 compared with 2016 due primarily to higher income before income tax expense (\$4 million) and a nonrecurring tax benefit in 2016 from a corporate-owned life insurance policy (\$3 million), offset in part by an increase in tax benefits for plant-related flow through items (\$1 million).

Clean Energy Businesses

The Clean Energy Businesses' results of operations for the year ended December 31, 2017 compared with the year ended December 31, 2016 is as follows:

(Millions of Dollars)	For the Years Ended			
	December 31,	2017	2016	Variation
Operating revenues	\$694	\$1,091	\$(397)	
Purchased power	(3)	674	(677)	
Gas purchased for resale	226	112	114	
Other operations and maintenance	313	164	149	
Depreciation and amortization	74	42	32	
Taxes, other than income taxes	16	20	(4)	
Gain on sale of retail electric supply business (2016) and solar electric production project (2017) (a)	1	104	103	
Operating income	\$69	\$183	\$(114)	

(a) See note U to the financial statements in Item 8.

Operating revenues decreased \$397 million in 2017 compared with 2016 due primarily to lower electric retail revenues of \$778 million from the sale of the retail electric supply business in September 2016. Renewable revenues increased \$229 million due primarily to an increase in renewable electric production projects in operation and revenues from the engineering, procurement and construction of Upton 2 (see Note U to the financial statements in Item 8). Energy services revenues increased \$19 million. Wholesale revenues increased \$128 million due to higher sales volumes. Net mark-to-market values decreased \$6 million, of which \$11 million in losses are reflected in purchased power costs and \$5 million in gains are reflected in revenues.

Purchased power expenses decreased \$677 million in 2017 compared with 2016 due primarily to lower electric costs due to the sale of the retail electric supply business in September 2016 (\$687 million), offset by changes in mark-to-market values (\$11 million).

Gas purchased for resale increased \$114 million in 2017 compared with 2016 due to higher purchased volumes. Other operations and maintenance expenses increased \$149 million in 2017 compared with 2016 due to Upton 2 engineering, procurement and construction costs (see Note U to the financial statements in Item 8) and an increase in energy services costs.

Depreciation and amortization increased \$32 million in 2017 compared with 2016 due to an increase in solar electric production projects in operation during 2017.

Taxes, other than income taxes decreased \$4 million in 2017 compared with 2016 due to lower gross receipts tax from the sale of the retail electric supply business in September 2016.

Gain on sale of retail electric supply business decreased \$103 million in 2017 reflecting the sale of the retail electric supply business in 2016 (see Note U to the financial statements in Item 8).

Other Income (Deductions)

Other income (deductions) increased \$11 million in 2017 compared with 2016 due primarily to the impairment of goodwill in 2016 (\$15 million) (see Note K to the financial statements in Item 8), offset in part by income from renewable electric production investments (\$3 million).

Net Interest Expense

Net interest expense increased \$9 million in 2017 compared with 2016 due primarily to increased debt on renewable electric production projects.

Income Tax Expense

Income taxes decreased \$326 million in 2017 compared with 2016 due primarily to lower income before income tax expense (\$45 million), the re-measurement of the Clean Energy Businesses' deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA (\$269 million), a higher favorable 2016 state return-to-provision adjustment recorded in 2017 (\$7 million), higher renewable energy tax credits (\$1 million) and the increase to deferred state income taxes in 2016 as a result of the sale of the retail electric supply business that increased the Clean Energy Businesses' state apportionment factor on its cumulative temporary differences (\$4 million), offset in part by an increase in valuation allowances against state net operating loss carryforwards (\$3 million). See Note L to the financial statements in Item 8.

Con Edison Transmission

Other operations and maintenance increased \$7 million in 2017 compared with 2016 due primarily to CET having no employees or other direct costs until January 1, 2017.

Net Interest Expense

Net interest expense increased \$10 million in 2017 compared with 2016 due primarily to an increased allocation from the parent company of interest expense resulting from a parent company debt issuance in May 2016.

Other Income (Deductions)

Other income (deductions) increased \$37 million in 2017 compared with 2016 due primarily to earnings from equity investments in Stagecoach Gas Services, LLC, substantially all of which were made in June 2016.

Income Tax Expense

Income taxes decreased \$2 million in 2017 compared with 2016 due primarily to the re-measurement of Con Edison Transmission's deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA (\$11 million), offset in part by higher income before income tax expense (\$9 million). See Note L to the financial statements in Item 8.

Other

For Con Edison, "Other" includes the increase in income tax expense resulting from the re-measurement of Con Edison's deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA (\$21 million). See Note L to the financial statements in Item 8. "Other" also includes intercompany eliminations relating to operating revenues and operating expenses.

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Year Ended December 31, 2016 Compared with Year Ended December 31, 2015

The Companies' results of operations in 2016 compared with 2015 were:

	CECONY	O&R	Clean Energy Businesses	Con Edison Transmission	Other (a)	Con Edison (b)		
(Millions of Dollars)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)	Increases (Decreases)
	Percent	Percent	Percent	Amount	Percent	Amount	Percent	Percent
Operating revenues	\$(163))%	\$(228))%	\$(219))%	\$— %	\$—	\$(479)	(3.8) %	
Purchased power	(858))	(632))	(370))	—	—	(534)	(18.0))	
Fuel	(70))	—	—	—	—	(76)	(30.6))	
Gas purchased for resale	(583))	(478))	6.7	—	—	(2)	(3.6))	
Other operations and maintenance	(256))	(926))	30.4	3	—	(125.0))%	(75)	(2.2))
Depreciation and amortization	663	(115))	20.9	—	—	86	7.6	
Taxes, other than income taxes	761	27.4	5.3	—	—	94	4.9	
Gain on sale of retail electric supply business	—	—	104	—	—	104	—	
Operating income	157	9.4	126	(3)	—	148	6.1	
Other income less deductions	1	1	(33)	43	—	(1)	40	Large
Net interest expense	893	2.9	2	6	—	(626.1))	43	6.6
Income before income tax expense	0.1	13.9	9	34	—	730.4	145	8.1
Income tax expense	391	60.0	1	14	—	131.9	93	15.4
Net income	\$(228))%	\$7.5 %	\$59	\$20	—%	\$(6)	\$52	4.4 %

(a) Includes parent company and consolidation adjustments.

(b) Represents the consolidated results of operations of Con Edison and its businesses.

CECONY

(Millions of Dollars)	For the Year Ended December 31, 2016				For the Year Ended December 31, 2015				2016-2015 Variation
	Electric	Gas	Steam	2016 Total	Electric	Gas	Steam	2015 Total	
Operating revenues	\$8,106	\$1,508	\$551	\$10,165	\$8,172	\$1,527	\$629	\$10,328	\$(163)
Purchased power	1,533	—	35	1,568	1,684	—	35	1,719	(151)
Fuel	104	—	68	172	118	—	130	248	(76)
Gas purchased for resale	—	319	—	319	—	337	—	337	(18)
Other operations and maintenance	2,210	408	188	2,806	2,259	440	182	2,881	(75)
Depreciation and amortization	865	159	82	1,106	820	142	78	1,040	66
Taxes, other than income taxes	1,547	265	120	1,932	1,493	252	111	1,856	76
Operating income	\$1,847	\$357	\$58	\$2,262	\$1,798	\$356	\$93	\$2,247	\$15

Electric

CECONY's results of electric operations for the year ended December 31, 2016 compared with the year ended December 31, 2015 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Operating revenues	\$8,106	\$8,172	\$(66)
Purchased power	1,533	1,684	(151)
Fuel	104	118	(14)
Other operations and maintenance	2,210	2,259	(49)
Depreciation and amortization	865	820	45
Taxes, other than income taxes	1,547	1,493	54
Electric operating income	\$1,847	\$1,798	\$49

CECONY's electric sales and deliveries in 2016 compared with 2015 were:

Description	Millions of kWh Delivered For the Years Ended				Revenues in Millions (a) For the Years Ended					
	December 31, 2016	December 31, 2015	Variation	Percent Variation	December 31, 2016	December 31, 2015	Variation	Percent Variation		
Residential/Religious (b)	10,400	10,543	(143)	)(1.4	)%	\$2,591	\$2,771	\$(180)	(6.5)%
Commercial/Industrial	9,429	9,602	(173)	)(1.8	)	1,803	1,974	(171)	(8.7)
Retail choice customers	26,813	26,662	151	0.6		2,768	2,714	54	2.0	
NYP&A, Municipal Agency and other sales	10,103	10,208	(105)	)(1.0	)	620	612	8	1.3	
Other operating revenues (c)	—	—	—	—		324	101	223	Large	
Total	56,745	57,015	(270)	)(0.5	)%	(d)\$8,106	\$8,172	\$(66)	(0.8)%

Revenues from electric sales are subject to a revenue decoupling mechanism, as a result of which, delivery (a) revenues generally are not affected by changes in delivery volumes from levels assumed when rates were approved.

(b) "Residential/Religious" generally includes single-family dwellings, individual apartments in multi-family dwellings, religious organizations and certain other not-for-profit organizations.

Other electric operating revenues generally reflect changes in regulatory assets and liabilities in accordance with (c) the revenue decoupling mechanism and other provisions of the company's rate plans. See Note B to the financial statements in Item 8.

(d) After adjusting for variations, principally weather and billing days, electric delivery volumes in CECONY's service area were the same in 2016 compared with 2015.

Operating revenues decreased \$66 million in 2016 compared with 2015 due primarily to lower purchased power expenses (\$151 million) and lower fuel expenses (\$14 million), offset in part by higher revenues from the electric rate plan (\$122 million) and changes in regulatory charges (\$20 million).

Purchased power expenses decreased \$151 million in 2016 compared with 2015 due to lower unit costs (\$111 million) and purchased volumes (\$40 million).

Fuel expenses decreased \$14 million in 2016 compared with 2015 due to lower unit costs (\$19 million), offset by higher sendout volumes from the company's electric generating facilities (\$5 million).

Other operations and maintenance expenses decreased \$49 million in 2016 compared with 2015 due primarily to a decrease in the surcharges for assessments and fees that are collected in revenues from customers (\$52 million) and lower uncollectible expense (\$12 million), offset in part by higher costs for municipal infrastructure support (\$8 million).

Depreciation and amortization increased \$45 million in 2016 compared with 2015 due primarily to higher electric utility plant balances.

Taxes, other than income taxes increased \$54 million in 2016 compared with 2015 due primarily to higher property taxes (\$66 million), offset in part by lower state and local revenue taxes (\$4 million), a favorable state audit settlement (\$3 million), lower sales and use tax reserve based on a favorable audit settlement (\$3 million) and lower payroll taxes (\$2 million).

Gas

CECONY's results of gas operations for the year ended December 31, 2016 compared with the year ended December 31, 2015 is as follows:

(Millions of Dollars)	For the Years Ended		
	December 31, 2016	December 31, 2015	Variation
Operating revenues	\$1,508	\$1,527	\$(19)
Gas purchased for resale	319	337	(18)
Other operations and maintenance	408	440	(32)
Depreciation and amortization	159	142	17
Taxes, other than income taxes	265	252	13
Gas operating income	\$357	\$356	\$1

CECONY's gas sales and deliveries, excluding off-system sales, in 2016 compared with 2015 were:

Description	Thousands of Dt Delivered For the Years Ended				Revenues in Millions (a) For the Years Ended			
	December 31, 2016	December 31, 2015	Variation	Percent Variation	December 31, 2016	December 31, 2015	Variation	Percent Variation
Residential	47,794	49,024	(1,230)	(2.5)%	\$667	\$682	\$(15)	(2.2)%
General	28,098	28,173	(75)	(0.3)	266	274	(8)	(2.9)
Firm transportation	68,442	72,864	(4,422)	(6.1)	426	458	(32)	(7.0)
Total firm sales and transportation	144,334	150,061	(5,727)	(3.8)	(b) 1,359	1,414	(55)	(3.9)
Interruptible sales (c)	8,957	6,332	2,625	41.5	34	46	(12)	(26.1)
NYPA	43,101	44,038	(937)	(2.1)	2	2	—	—
Generation plants	87,835	83,634	4,201	5.0	25	26	(1)	(3.8)
Other	21,165	21,223	(58)	(0.3)	32	28	4	14.3
Other operating revenues (d)	—	—	—	—	56	11	45	Large
Total	305,392	305,288	104	—%	\$1,508	\$1,527	\$(19)	(1.2)%

Revenues from gas sales are subject to a weather normalization clause and a revenue decoupling mechanism, as a (a) result of which, delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved.

(b) After adjusting for variations, principally weather and billing days, firm gas sales and transportation volumes in the company's service area increased 3.9 percent in 2016 compared with 2015, reflecting primarily increased volumes

attributable to additional customers that have converted from oil-to-gas as heating fuel for their buildings.

(c) Includes 4,708 thousands and 1,229 thousands of Dt for 2016 and 2015, respectively, which are also reflected in firm transportation and other.

(d) Other gas operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the company's rate plans. See Note B to the financial statements in Item 8.

Operating revenues decreased \$19 million in 2016 compared with 2015 due primarily to lower gas purchased for resale expense (\$18 million).

64CON EDISON ANNUAL REPORT 2017

Gas purchased for resale decreased \$18 million in 2016 compared with 2015 due to lower unit costs (\$32 million), offset by higher sendout volumes (\$14 million).

Other operations and maintenance expenses decreased \$32 million in 2016 compared with 2015 due primarily to a decrease in the surcharges for assessments and fees that are collected in revenues from customers (\$25 million), lower gas operating costs (\$10 million) and lower uncollectible expense (\$2 million), offset in part by higher costs for municipal infrastructure support (\$5 million).

Depreciation and amortization increased \$17 million in 2016 compared with 2015 due primarily to higher gas utility plant balances.

Taxes, other than income taxes increased \$13 million in 2016 compared with 2015 due primarily to higher property taxes (\$16 million), offset in part by lower state and local revenue taxes (\$2 million).

Steam

CECONY's results of steam operations for the year ended December 31, 2016 compared with the year ended December 31, 2015 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Operating revenues	\$551	\$629	\$(78)
Purchased power	35	35	—
Fuel	68	130	(62)
Other operations and maintenance	188	182	6
Depreciation and amortization	82	78	4
Taxes, other than income taxes	120	111	9
Steam operating income	\$58	\$93	\$(35)

CECONY's steam sales and deliveries in 2016 compared with 2015 were:

Description	Millions of Pounds Delivered For the Years Ended				Revenues in Millions For the Years Ended			
	December 31, 2016	December 31, 2015	Variation	Percent Variation	December 31, 2016	December 31, 2015	Variation	Percent Variation
General	465	538	(73)	(13.6)%	\$23	\$29	\$(6)	(20.7)%
Apartment house	5,792	6,272	(480)	(7.7)%	148	176	(28)	(15.9)%
Annual power	13,722	15,109	(1,387)	(9.2)%	378	453	(75)	(16.6)%
Other operating revenues (a)	—	—	—	—	2	(29)	31	Large
Total	19,979	21,919	(1,940)	(8.9)%	(b) \$551	\$629	\$(78)	(12.4)%

(a) Other steam operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the company's rate plans. See Note B to the financial statements in Item 8.

(b) After adjusting for variations, principally weather and billing days, steam sales and deliveries decreased 1.2 percent in 2016 compared with 2015.

Operating revenues decreased \$78 million in 2016 compared with 2015 due primarily to lower fuel expenses (\$62 million) and the weather impact on revenues (\$35 million), offset in part by higher revenues from the steam rate plan (\$22 million).

Fuel expenses decreased \$62 million in 2016 compared with 2015 due to lower unit costs (\$57 million) and sendout volumes (\$5 million).

Other operations and maintenance expenses increased \$6 million in 2016 compared with 2015 due primarily to higher costs for municipal infrastructure support.

Depreciation and amortization increased \$4 million in 2016 compared with 2015 due primarily to higher steam utility plant balances.

Taxes, other than income taxes increased \$9 million in 2016 compared with 2015 due primarily to higher property taxes (\$12 million), offset in part by lower state and local revenue taxes (\$2 million).

CON EDISON ANNUAL REPORT 2017 65

Taxes, Other Than Income Taxes

At \$1,932 million, taxes other than income taxes remain one of CECONY's largest operating expenses. The principal components of, and variations in, taxes other than income taxes were:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Property taxes	\$1,557	\$1,463	\$94
State and local taxes related to revenue receipts	315	323	(8)
Payroll taxes	65	67	(2)
Other taxes	(5)	3	(8)
Total	\$1,932(a)	\$1,856(a)	\$76

(a) Including sales tax on customers' bills, total taxes other than income taxes in 2016 and 2015 were \$2,358 million and \$2,302 million, respectively.

Other Income (Deductions)

Other income (deductions) increased \$5 million in 2016 compared with 2015 due primarily to an increase in the allowance for equity funds used during construction (\$4 million).

Net Interest Expense

Net interest expense increased \$19 million in 2016 compared with 2015 due primarily to new debt issuances in 2016.

Income Tax Expense

Income taxes increased \$29 million in 2016 compared with 2015 due primarily to plant-related flow through items (\$57 million) and an increase in uncertain tax positions (\$2 million), offset in part by lower state income taxes (\$15 million) and higher research and development tax credits (\$14 million).

O&R

(Millions of Dollars)	For the Year Ended December 31, 2016			For the Year Ended December 31, 2015			2016-2015 Variation
	Electric	Gas	2016 Total	Electric	Gas	2015 Total	
Operating revenues	\$637	\$184	\$821	\$663	\$182	\$845	\$(24)
Purchased power	197	—	197	210	—	210	(13)
Gas purchased for resale	—	47	47	—	51	51	(4)
Other operations and maintenance	244	57	301	256	77	333	(32)
Depreciation and amortization	49	18	67	50	18	68	(1)
Taxes, other than income taxes	52	27	79	44	18	62	17
Operating income	\$95	\$35	\$130	\$103	\$18	\$121	\$9

Electric

O&R's results of electric operations for the year ended December 31, 2016 compared with the year ended December 31, 2015 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Operating revenues	\$637	\$663	\$(26)
Purchased power	197	210	(13)

Other operations and maintenance	244	256	(12)
Depreciation and amortization	49	50	(1)
Taxes, other than income taxes	52	44	8
Electric operating income	\$95	\$103	\$(8)

66CON EDISON ANNUAL REPORT 2017

O&R's electric sales and deliveries in 2016 compared with 2015 were:

Description	Millions of kWh Delivered				Revenues in Millions (a)			
	For the Years Ended				For the Years Ended			
	December 31, 2016	December 31, 2015	Variation	Percent Variation	December 31, 2016	December 31, 2015	Variation	Percent Variation
Residential/Religious (b)	1,654	1,597	57	3.6 %	\$304	\$307	\$(3)	(1.0)%
Commercial/Industrial	801	802	(1)	(0.1)	114	124	(10)	(8.1)
Retail choice customers	3,180	3,237	(57)	(1.8)	213	213	—	—
Public authorities	100	100	—	—	8	10	(2)	(20.0)
Other operating revenues (c)	—	—	—	—	(2)	9	(11)	Large
Total	5,735	5,736	(1)	— % (d)	\$637	\$663	\$(26)	(3.9)%

O&R's New York electric delivery revenues are subject to a revenue decoupling mechanism, as a result of which, delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved. O&R's electric sales in New Jersey are not subject to a decoupling mechanism, and as a result, changes in such volumes do impact revenues.

"Residential/Religious" generally includes single-family dwellings, individual apartments in multi-family dwellings, religious organizations and certain other not-for-profit organizations.

Other electric operating revenues generally reflect changes in regulatory assets and liabilities in accordance with the company's electric rate plan. See Note B to the financial statements in Item 8.

After adjusting for weather and other variations, electric delivery volumes in O&R's service area decreased 0.9 percent in 2016 compared with 2015.

Operating revenues decreased \$26 million in 2016 compared with 2015 due primarily to lower purchased power expenses (\$13 million) and lower revenues from the New York electric rate plan (which includes the reconciliation of certain expenses, see Note B to the financial statements in Item 8) (\$7 million).

Purchased power expenses decreased \$13 million in 2016 compared with 2015 due to a decrease in unit costs (\$18 million), offset by an increase in purchased volumes (\$5 million).

Other operations and maintenance expenses decreased \$12 million in 2016 compared with 2015 due primarily to regulatory accounting effects of pension costs (\$11 million) and the charge-off of certain regulatory assets in 2015 (\$4 million), offset by higher operating costs (\$3 million).

Depreciation and amortization decreased \$1 million in 2016 compared with 2015 due primarily to lower average depreciation rates.

Taxes, other than income taxes increased \$8 million in 2016 compared with 2015 due primarily to higher property taxes.

Gas
O&R's results of gas operations for the year ended December 31, 2016 compared with the year ended December 31, 2015 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Operating revenues	\$184	\$182	\$2
Gas purchased for resale	47	51	(4)
Other operations and maintenance	57	77	(20)
Depreciation and amortization	18	18	—
Taxes, other than income taxes	27	18	9
Gas operating income	\$35	\$18	\$17

O&R's gas sales and deliveries, excluding off-system sales, in 2016 compared with 2015 were:

Description	Thousands of Dt Delivered				Revenues in Millions (a)					
	For the Years Ended				For the Years Ended					
	December 31, 2016	December 31, 2015	Variation	Percent Variation	December 31, 2016	December 31, 2015	Variation	Percent Variation		
Residential	7,872	7,664	208	2.7	%	\$84	\$77	\$7	9.1	%
General	1,851	1,684	167	9.9		15	14	1	7.1	
Firm transportation	10,381	11,752	(1,371)	(11.7)	)	70	68	2	2.9	
Total firm sales and transportation	20,104	21,100	(996)	(4.7)	)	(b) 169	159	10	6.3	
Interruptible sales	3,853	4,205	(352)	(8.4)	)	3	3	—	—	
Generation plants	18	25	(7)	(28.0))	—	—	—	—	
Other	867	906	(39)	(4.3))	—	—	—	—	
Other gas revenues	—	—	—	—		12	20	(8)	(40.0))
Total	24,842	26,236	(1,394)	(5.3)	)%	\$184	\$182	\$2	1.1	%

Revenues from New York gas sales are subject to a weather normalization clause and a revenue decoupling (a) mechanism, as a result of which, delivery revenues are generally not affected by changes in delivery volumes from levels assumed when rates were approved.

(b) After adjusting for weather and other variations, total firm sales and transportation volumes increased 2.3 percent in 2016 compared with 2015.

Operating revenues increased \$2 million in 2016 compared with 2015 due primarily to higher revenues from the New York gas rate plan (\$9 million), offset in part by the decrease in gas purchased for resale (\$4 million).

Gas purchased for resale decreased \$4 million in 2016 compared with 2015 due to a decrease in purchased volumes (\$5 million), offset by an increase in unit costs (\$1 million).

Other operations and maintenance expenses decreased \$20 million in 2016 compared with 2015 due primarily to the charge-off of certain regulatory assets in 2015 (\$14 million) and regulatory accounting effects of pension costs (\$10 million), offset by higher operating costs (\$4 million).

Taxes, other than income taxes increased \$9 million in 2016 compared with 2015 due primarily to higher property taxes.

Taxes, Other Than Income Taxes

Taxes, other than income taxes, increased \$17 million in 2016 compared with 2015. The principal components of taxes, other than income taxes, were:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Property taxes	\$63	\$46	\$17
State and local taxes related to revenue receipts	10	10	—
Payroll taxes	6	6	—
Total	\$79	(a) \$62	(a) \$17

(a) Including sales tax on customers' bills, total taxes other than income taxes in 2016 and 2015 were \$105 million and \$88 million, respectively.

Other Income (Deductions)

Other income (deductions) increased \$5 million in 2016 compared with 2015 due primarily to the impairment of certain assets held for sale in 2015 (see Note U to the financial statements in Item 8).

Income Tax Expense

Income taxes increased \$6 million in 2016 compared with 2015 due primarily to higher income before income tax expense (\$5 million) and plant-related flow through items (\$3 million), offset in part by lower taxable reimbursement

in insurance claims (\$1 million) and a higher tax benefit from a corporate-owned life insurance policy (\$1 million).

68CON EDISON ANNUAL REPORT 2017

Clean Energy Businesses

The Clean Energy Businesses' results of operations for the year ended December 31, 2016 compared with the year ended December 31, 2015 is as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2016	2015	Variation
Operating revenues	\$1,091	\$1,383	\$(292)
Purchased power	674	1,044	(370)
Gas purchased for resale	112	106	6
Other operations and maintenance	164	134	30
Depreciation and amortization	42	22	20
Taxes, other than income taxes	20	19	1
Gain on sale of retail electric supply business	104	—	104
Operating income	\$183	\$58	\$125

Operating revenues decreased \$292 million in 2016 compared with 2015 due primarily to lower electric retail revenues. Electric retail revenues decreased \$389 million in 2016 as compared with 2015 due to the sale of the retail electric supply business (see Note U to the financial statements in Item 8). Solar revenues increased \$54 million in 2016 as compared with 2015 due primarily to an increase in solar electric production projects in operation. Energy services revenues increased \$41 million due to an increase in active projects. Wholesale revenues increased \$8 million in 2016 compared with 2015 due primarily to higher sales volumes. Net mark-to-market values increased \$6 million in 2016 as compared with 2015, of which \$12 million in gains are reflected in purchased power expenses and \$6 million in losses are reflected in revenues.

Purchased power expenses decreased \$370 million in 2016 compared with 2015 due to the sale of the retail electric supply business (\$373 million) (see Note U to the financial statements in Item 8) and changes in mark-to-market gains (\$12 million).

Gas purchased for resale increased \$6 million in 2016 compared with 2015 due primarily to higher sales volumes. Other operations and maintenance expenses increased \$30 million in 2016 compared with 2015 due primarily to an increase in energy services costs (\$28 million) and other general operating expenses (\$2 million).

Depreciation and amortization increased \$20 million in 2016 compared with 2015 due primarily to an increase in renewable electric production projects in operation during 2016.

Taxes, other than income taxes increased \$1 million in 2016 compared with 2015 due primarily to higher property taxes (\$5 million), offset by lower gross receipt taxes (\$4 million).

Gain on sale of retail electric supply business was \$104 million in 2016 reflecting the sale of the retail electric supply business (see Note U to the financial statements in Item 8).

Other Income (Deductions)

Other income (deductions) decreased \$12 million in 2016 compared with 2015 due primarily to the impairment of goodwill (\$15 million) (see Note K to the financial statements in Item 8), offset in part by income from solar electric production investments (\$3 million).

Net Interest Expense

Net interest expense increased \$23 million in 2016 compared with 2015 due primarily to new debt issuances for renewable electric production projects.

Income Tax Expense

Income taxes increased \$31 million in 2016 compared with 2015 due primarily to higher income before income tax expense (\$38 million), an increase to deferred state income taxes as a result of the sale of the retail electric supply business (\$4 million) and an increase in valuation allowances against state net operating loss carryforwards (\$3 million), offset in part by higher production tax credits (\$10 million) and the reversal of uncertain tax positions (\$4 million).

Con Edison Transmission

Other Income (Deductions)

Other income (deductions) increased \$43 million in 2016 compared with 2015 due primarily to earnings from equity investments in 2016 (see Note U to the financial statements in Item 8).

Income Tax Expense

Income taxes increased \$14 million in 2016 compared with 2015 due primarily to higher income before income tax expense.

Other

For Con Edison, "Other" also includes intercompany eliminations relating to operating revenues and operating expenses.

Liquidity and Capital Resources

The Companies' liquidity reflects cash flows from operating, investing and financing activities, as shown on their respective consolidated statements of cash flows and as discussed below.

The principal factors affecting Con Edison's liquidity are its investments in the Utilities, the Clean Energy Businesses and Con Edison Transmission, the dividends it pays to its shareholders and the dividends it receives from the Utilities and cash flows from financing activities discussed below.

The principal factors affecting CECONY's liquidity are its cash flows from operating activities, cash used in investing activities (including construction expenditures), the dividends it pays to Con Edison and cash flows from financing activities discussed below.

The Companies generally maintain minimal cash balances and use short-term borrowings to meet their working capital needs and other cash requirements. The Companies repay their short-term borrowings using funds from long-term financings and operating activities. The Utilities' cost of capital, including working capital, is reflected in the rates they charge to their customers.

Each of the Companies believes that it will be able to meet its reasonably likely short-term and long-term cash requirements. See "The Companies Require Access to Capital Markets to Satisfy Funding Requirements," "Changes To Tax Laws Could Adversely Affect the Companies" and "The Companies Also Face Other Risks That Are Beyond Their Control" in Item 1A, and "Capital Requirements and Resources" in Item 1.

Changes in the Companies' cash and temporary cash investments resulting from operating, investing and financing activities for the years ended December 31, 2017, 2016 and 2015 are summarized as follows:

Con Edison

(Millions of Dollars)	2017	2016	Variance		
			2017 vs. 2015	2016 vs. 2015	
Operating activities	\$3,367	\$3,459	\$(92)	\$3,277	\$182
Investing activities	(3,703)	(4,976)	1,273	(3,657)	(1,319)
Financing activities	357	1,345	(988)	629	716
Net change for the period	21	(172)	193	249	(421)
Balance at beginning of period	776	944	(168)	699	245
Balance at end of period	797	772	25	948	(176)
Less: Change in cash balances held for sale	—	(4)	4	4	(8)
Balance at end of period excluding held for sale	\$797	\$776	\$21	\$944	\$(168)

CECONY

(Millions of Dollars)	2017	2016	Variance		
			2017 vs. 2016	2016 vs. 2015	
Operating activities	\$2,866	\$3,038	\$(172)	\$2,819	\$219
Investing activities	(3,078)	(2,739)	(339)	(2,638)	(101)
Financing activities	240	(440)	680	17	(457)
Net change for the period	28	(141)	169	198	(339)
Balance at beginning of period	702	843	(141)	645	198
Balance at end of period	\$730	\$702	\$28	\$843	\$(141)

Cash Flows from Operating Activities

The Utilities' cash flows from operating activities reflect primarily their energy sales and deliveries and cost of operations. The volume of energy sales and deliveries is affected primarily by factors external to the Utilities, such as growth of customer demand, weather, market prices for energy and economic conditions. Measures that promote distributed energy resources, such as distributed generation, demand reduction and energy efficiency, also affect the volume of energy sales and deliveries. See "Utility Regulation – State Utility Regulation – New York Utility Industry – Reforming the Energy Vision," "Competition" and "Environmental Matters – Climate Change" in Item 1. Under the revenue decoupling mechanisms in the Utilities' New York electric and gas rate plans, changes in delivery volumes from levels assumed when rates were approved may affect the timing of cash flows, but generally not net income. The prices at which the Utilities provide energy to their customers are determined in accordance with their rate plans. In general, changes in the Utilities' cost of purchased power, fuel and gas may affect the timing of cash flows, but not net income, because the costs are recovered in accordance with rate plans. See "Recoverable Energy Costs" in Note A to the financial statements in Item 8. Pursuant to their rate plans, the Utilities have recovered from customers a portion of the tax liability they will pay in the future as a result of temporary differences between the book and tax basis of assets and liabilities. These temporary differences affect the timing of cash flows, but not net income, as the Companies are required to record deferred tax assets and liabilities at the current corporate tax rate for the temporary differences. For the Utilities, the reduction of the corporate tax rate to 21 percent under the TCJA is expected to result in decreased cash flows from operating activities as and when the rates the Utilities charge their customers are adjusted to reflect the reduction. See "Changes To Tax Laws Could Adversely Affect the Companies," in Item 1A, "Federal Income Tax" in Note A, "Rate Plans" in Note B, "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8. Net income is the result of cash and non-cash (or accrual) transactions. Only cash transactions affect the Companies' cash flows from operating activities. Principal non-cash charges or credits include depreciation, deferred income tax expense and amortizations of certain regulatory assets and liabilities. Non-cash charges or credits may also be accrued under the revenue decoupling and cost reconciliation mechanisms in the Utilities' New York electric and gas rate plans. See "Rate Plans – CECONY– Electric and Gas" and "Rate Plans – O&R New York – Electric and Gas" in Note B to the financial statements in Item 8.

Net cash flows from operating activities in 2017 for Con Edison and CECONY were \$92 million and \$172 million lower, respectively, than in 2016. The change in net cash flows for Con Edison and CECONY reflects primarily higher cash paid for income taxes, net of refunds received, in 2017 as compared with 2016 of \$151 million and \$270 million, respectively. The income tax refund received in 2016 reflected the extension of bonus depreciation in late 2015, resulting in a refund of the 2015 estimated federal tax payments. See Note L to the financial statements in Item 8. The change in net cash flows for Con Edison and CECONY also reflects higher construction expenditures in accounts payable of \$44 million and \$56 million, respectively.

Net cash flows from operating activities in 2016 for Con Edison and CECONY were \$182 million and \$219 million higher, respectively, than in 2015. The increase in net cash flows for Con Edison and CECONY reflects primarily lower income taxes paid, net of refunds received in 2016 as compared with 2015 (\$144 million and \$325 million, respectively), offset by higher interest payments (\$67 million and \$27 million, respectively) in 2016. The amount and timing of income tax payments and refunds received reflect, among other things, the extension of bonus depreciation tax provisions. See Note L to the financial statements in Item 8.

The change in net cash flows also reflects the timing of payments for and recovery of energy costs. This timing is reflected within changes to accounts receivable – customers, recoverable and refundable energy costs within other regulatory assets and liabilities and accounts payable balances.

CON EDISON ANNUAL REPORT 2017 71

Cash Flows Used in Investing Activities

Net cash flows used in investing activities for Con Edison and CECONY were \$1,273 million lower and \$339 million higher, respectively, in 2017 than in 2016. The change for Con Edison reflects primarily lower new investments in electric and gas transmission projects (\$1,031 million) and renewable electric production projects (\$357 million) and a decrease in non-utility construction expenditures (\$430 million), offset in part by lower proceeds from the sale and transfer of assets (\$340 million) and increased utility construction expenditures (\$193 million). The change for CECONY primarily reflects increased utility construction expenditures (\$168 million) and the absence of proceeds from the transfer of assets to NY Transco in 2016 (\$122 million).

Net cash flows used in investing activities for Con Edison and CECONY were \$1,319 million and \$101 million higher, respectively, in 2016 than in 2015. The change for Con Edison reflects primarily increased investments in electric and gas transmission projects (\$1,076 million), increased utility construction expenditures in 2016 (\$273 million) and increased non-utility construction expenditures related to development of renewable electric production projects (\$353 million), offset in part by the proceeds from the sale and transfer of assets (\$374 million). The change for CECONY reflects primarily increased utility construction expenditures in 2016 (\$262 million), offset in part by the proceeds from the transfer of assets to NY Transco (\$122 million).

Cash Flows From Financing Activities

Net cash flows from financing activities in 2017 for Con Edison and CECONY were \$988 million lower and \$680 million higher, respectively, than in 2016. Net cash flows from financing activities in 2016 for Con Edison and CECONY were \$716 million higher and \$457 million lower, respectively, than in 2015.

Net cash flows from financing activities during the years ended December 31, 2017 and 2016 reflect the following Con Edison transactions:

2017

Issued 4.1 million common shares resulting in net proceeds of \$343 million, after issuance expenses, that were invested by Con Edison in its subsidiaries, principally CECONY and the Clean Energy Businesses, for funding of their construction expenditures and for other general corporate purposes; and

Issued \$400 million aggregate principal amount of 2.00 percent debentures, due 2020, and prepaid the June 2016 \$400 million variable rate term loan that was to mature in 2018.

2016

Issued approximately 10 million common shares resulting in net proceeds of \$702 million, after issuance expenses, and \$500 million aggregate principal amount of 2.00 percent debentures, due 2021, the net proceeds from the sale of which were used in connection with the acquisition by a CET Gas subsidiary of a 50 percent equity interest in Stagecoach, a gas pipeline and storage joint venture (see "Con Edison Transmission" in Item 1), and for general corporate purposes.

Con Edison had no issuances of long-term debt in 2015.

Con Edison's cash flows from financing activities in 2017, 2016 and 2015 also reflect the proceeds, and reduction in cash used for reinvested dividends, resulting from the issuance of common shares under the company's dividend reinvestment, stock purchase and long-term incentive plans of \$97 million, \$97 million and \$29 million, respectively, net of repurchases in 2015.

Net cash flows from financing activities during the years ended December 31, 2017, 2016 and 2015 reflect the following CECONY transactions:

2017

Issued \$350 million aggregate principal amount of 3.125 percent debentures, due 2027, \$350 million aggregate principal amount of 4.00 percent debentures, due 2057, and \$500 million aggregate principal amount of 3.875 percent debentures, due 2047, the net proceeds from the sales of which were used to repay short-term borrowings and for other general corporate purposes.

72 CON EDISON ANNUAL REPORT 2017

2016

Issued \$250 million aggregate principal amount of 2.90 percent debentures, due 2026, \$500 million aggregate principal amount of 4.30 percent debentures, due 2056, and \$550 million aggregate principal amount of 3.85 percent debentures, due 2046, the net proceeds from the sales of which were used to repay short-term borrowings and for other general corporate purposes;

Redeemed at maturity \$400 million of 5.50 percent 10-year debentures; and

Redeemed at maturity \$250 million of 5.30 percent 10-year debentures.

2015

Issued \$650 million aggregate principal amount of 4.50 percent debentures, due 2045, the net proceeds from the sale of which were used to repay short-term borrowings and for other general corporate purposes; and

Redeemed at maturity \$350 million of 5.375 percent 10-year debentures.

Con Edison's net cash flows from financing activities during the years ended December 31, 2016 and 2015 also reflect the following O&R transactions:

O&R had no issuances of long-term debt in 2017.

2016

- Issued \$75 million aggregate principal amount of 3.88 percent debentures, due 2046, the net proceeds from the sale of which were used to repay short-term borrowings; and

Redeemed at maturity \$75 million of 5.45 percent 10-year debentures.

2015

Issued \$100 million aggregate principal amount of 4.69 percent debentures, due 2045, and \$120 million aggregate principal amount of 4.95 percent debentures, due 2045, the net proceeds from the sales of which were used to repay short-term borrowings and for other general corporate purposes;

Redeemed at maturity \$40 million of 5.30 percent 10-year debentures;

Redeemed at maturity \$55 million of 2.50 percent 5-year debentures; and

Redeemed at maturity \$44 million of variable rate tax-exempt 20-year debt.

Con Edison's net cash flows from financing activities during the years ended December 31, 2017, 2016 and 2015 also reflect the following Clean Energy Businesses transactions:

2017

- Issued \$97 million aggregate principal amount of 4.45 percent senior notes, due 2042, secured by Con Edison Development's Upton County Solar renewable electric production project.

2016

Borrowed \$2 million pursuant to a loan agreement with a New Jersey utility. The borrowing matures in 2026, bears interest of 11.18 percent and may be repaid in cash or project Solar Renewable Energy Certificates;

- Issued \$95 million aggregate principal amount of 4.07 percent senior notes, due 2036, secured by the company's California Holdings 3 renewable electric production project; and

Issued \$218 million aggregate principal amount of 4.21 percent senior notes, due 2041, secured by the company's Texas Solar 7 renewable electric production project.

2015

Issued \$118 million aggregate principal amount of 3.94 percent senior notes, due in 2036, secured by the company's California Holdings 2 renewable electric production project; and

Issued \$159 million aggregate principal amount of 4.53 percent senior notes due in 2040, secured by the company's Texas Solar 5 renewable electric production project.

Cash flows from financing activities of the Companies also reflect commercial paper issuance. The commercial paper amounts outstanding at December 31, 2017, 2016 and 2015 and the average daily balances for 2017, 2016 and 2015 for Con Edison and CECONY were as follows:

CON EDISON ANNUAL REPORT 2017 73

	2017		2016		2015	
(Millions of Dollars, except Weighted Average Yield)	Outstanding at December 31	Daily average	Outstanding at December 31	Daily average	Outstanding at December 31	Daily average
Con Edison	\$577	\$566	\$1,054	\$744	\$1,529	\$823
CECONY	\$150	\$251	\$600	\$362	\$1,033	\$379
Weighted average yield	1.8	% 1.2	% 1.0	% 0.6	% 0.7	% 0.4

Common stock issuances and external borrowings are sources of liquidity that could be affected by changes in credit ratings, financial performance and capital market conditions. For information about the Companies' credit ratings and certain financial ratios, see "Capital Requirements and Resources" in Item 1.

Capital Requirements and Resources

For information about capital requirements, contractual obligations and capital resources, see "Capital Requirements and Resources" in Item 1.

Other Changes in Assets and Liabilities

The following table shows changes in certain assets and liabilities at December 31, 2017, compared with December 31, 2016.

(Millions of Dollars)	Con Edison 2017 vs. 2016 Variance	CECONY 2017 vs. 2016 Variance
Assets		
Non-utility property, less accumulated depreciation	\$294	\$—
Non-utility plant - Construction work in progress	(138)	—
Other deferred charges and noncurrent assets	12	18
Regulatory asset - Unrecognized pension and other postretirement costs	(348)	(354)
Regulatory asset - Future income tax	(2,439)	(2,325)
Liabilities		
Deferred income taxes and unamortized investment tax credits	\$(4,710)	\$(4,144)
Pension and retiree benefits	(404)	(404)
Regulatory liabilities - Future income tax	2,545	2,390
System benefit charge	101	85

Non-Utility Property, Less Accumulated Depreciation

The increase in non-utility property, less accumulated depreciation, for Con Edison reflects the completion of construction of Con Edison Development's Upton County Solar renewable electric production project. See "Clean Energy Businesses – Con Edison Development" and "Capital Requirements and Resources – Capital Requirements" in Item 1.

Non-Utility Plant - Construction Work in Progress

The decrease in construction work in progress for Con Edison reflects projects that have reached commercial operation.

Other Deferred Charges and Noncurrent Assets

The increase in other deferred charges and noncurrent assets for Con Edison reflects deferred costs of \$33 million related to aid provided by the Utilities in the restoration of power in Puerto Rico in the aftermath of September 2017 hurricanes.

74CON EDISON ANNUAL REPORT 2017

Regulatory Asset for Unrecognized Pension and Other Postretirement Costs and Liability for Pension and Retiree Benefits

The decrease in the regulatory asset for unrecognized pension and other postretirement costs and the liability for pension and retiree benefits reflects the final actuarial valuation of the pension and other retiree benefit plans as measured at December 31, 2017, in accordance with the accounting rules for retirement benefits. The change in the regulatory asset also reflects the year's amortization of accounting costs. The change in the liability for pension and retiree benefits reflects in part contributions to the plans made by the Utilities in 2017. See Notes B, E and F to the financial statements in Item 8.

Deferred Income Taxes and Unamortized Investment Tax Credits, Regulatory Asset and Liability for Future Income Tax

The decrease in deferred income taxes and unamortized investment tax credits, decrease in regulatory asset for future income tax and increase in regulatory liability for future income tax reflects the re-measurement of the Companies' deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. See "Federal Income Taxes" in Note A, "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8.

System Benefit Charge

The increase in the liability for the system benefit charge reflects amounts collected by the Utilities from their customers that will be required to be paid to NYSERDA. See "Environmental Matters – Climate Change" in Item 1.

Off-Balance Sheet Arrangements

None of the Companies' transactions, agreements or other contractual arrangements meet the SEC definition of off-balance sheet arrangements.

Regulatory Matters

For information about the Utilities' rate plans and other regulatory matters affecting the Companies, see "Utility Regulation" in Item 1 and Note B to the financial statements in Item 8.

Risk Factors

The Companies' businesses are influenced by many factors that are difficult to predict, and that involve uncertainties that may materially affect actual operating results, cash flows and financial condition. See "Risk Factors" in Item 1A.

Application of Critical Accounting Policies

The Companies' financial statements reflect the application of their accounting policies, which conform to accounting principles generally accepted in the United States of America. The Companies' critical accounting policies include industry-specific accounting applicable to regulated public utilities and accounting for pensions and other postretirement benefits, contingencies, long-lived assets, goodwill and derivative instruments.

Accounting for Regulated Public Utilities

The Utilities are subject to the accounting rules for regulated operations and the accounting requirements of the FERC and the state public utility regulatory commissions having jurisdiction.

The accounting rules for regulated operations specify the economic effects that result from the causal relationship of costs and revenues in the rate-regulated environment and how these effects are to be accounted for by a regulated enterprise. Revenues intended to cover some costs may be recorded either before or after the costs are incurred. If regulation provides assurance that incurred costs will be recovered in the future, these costs would be recorded as deferred charges, or "regulatory assets," under the accounting rules for regulated operations. If revenues are recorded for costs that are expected to be incurred in the future, these revenues would be recorded as deferred credits, or "regulatory liabilities," under the accounting rules for regulated operations.

The Utilities' principal regulatory assets and liabilities are listed in Note B to the financial statements in Item 8. The Utilities are each receiving or being credited with a return on all regulatory assets for which a cash outflow has been made. The Utilities are each paying or being charged with a return on all regulatory liabilities for which a cash inflow

has been received. The regulatory assets and liabilities will be recovered from customers, or applied for customer benefit, in accordance with rate provisions approved by the applicable public utility regulatory commission.

CON EDISON ANNUAL REPORT 2017 75

In the event that regulatory assets of the Utilities were no longer probable of recovery, as required by the accounting rules for regulated operations, these regulatory assets would be charged to earnings. At December 31, 2017, the regulatory assets for Con Edison and CECONY were \$4,333 million and \$3,925 million, respectively.

Accounting for Pensions and Other Postretirement Benefits

The Utilities provide pensions and other postretirement benefits to substantially all of their employees and retirees. The Clean Energy Businesses and Con Edison Transmission also provide such benefits to certain employees. The Companies account for these benefits in accordance with the accounting rules for retirement benefits. In addition, the Utilities apply the accounting rules for regulated operations to account for the regulatory treatment of these obligations (which, as described in Note B to the financial statements in Item 8, reconciles the amounts reflected in rates for the costs of the benefit to the costs actually incurred). In applying these accounting policies, the Companies have made critical estimates related to actuarial assumptions, including assumptions of expected returns on plan assets, discount rates, health care cost trends and future compensation. See Notes A, E and F to the financial statements in Item 8 for information about the Companies' pension and other postretirement benefits, the actuarial assumptions, actual performance, amortization of investment and other actuarial gains and losses and calculated plan costs for 2017, 2016 and 2015.

The discount rate for determining the present value of future period benefit payments is determined using a model to match the durations of highly-rated (Aa or higher by either Moody's or S&P) corporate bonds with the projected stream of benefit payments.

In determining the health care cost trend rate, the Companies review actual recent cost trends and projected future trends.

The cost of pension and other postretirement benefits in future periods will depend on actual returns on plan assets, assumptions for future periods, contributions and benefit experience. Con Edison's and CECONY's current estimates for 2018 are increases, compared with 2017, in their pension and other postretirement benefits costs of \$59 million and \$51 million, respectively.

The following table illustrates the effect on 2018 pension and other postretirement costs of changing the critical actuarial assumptions, while holding all other actuarial assumptions constant:

Actuarial Assumption	Change in Assumption	Other Pension Benefits	Total
		(Millions of Dollars)	
Increase in accounting cost:			
Discount rate			
Con Edison	(0.25)%	\$ 3 7	\$60
CECONY	(0.25)%	\$ 2 2	\$56
Expected return on plan assets			
Con Edison	(0.25)%	\$ 2 2	\$35
CECONY	(0.25)%	\$ 2 2	\$33
Health care trend rate			
Con Edison	1.00%	\$ 3 3	\$3
CECONY	1.00%	\$ (3) (3)	\$(3)
Increase in projected benefit obligation:			
Discount rate			
Con Edison	(0.25)%	\$ 97 97	\$628
CECONY	(0.25)%	\$ 28 28	\$585
Health care trend rate			
Con Edison	1.00%	\$ 13 13	\$13

CECONY 1.00 % ~~\$(20)~~ \$(20)

A 5.0 percentage point variation in the actual annual return in 2018, as compared with the expected annual asset return of 7.50 percent, would change pension and other postretirement benefit costs for Con Edison and CECONY by approximately \$42 million and \$39 million, respectively, in 2019.

76 CON EDISON ANNUAL REPORT 2017

Pension benefits are provided through a pension plan maintained by Con Edison to which CECONY, O&R, the Clean Energy Businesses and Con Edison Transmission make contributions for their participating employees. Pension accounting by the Utilities includes an allocation of plan assets.

The Companies' policy is to fund their pension and other postretirement benefit accounting costs to the extent tax deductible, and for the Utilities, to the extent these costs are recovered under their rate plans. The Companies were not required to make cash contributions to the pension plan in 2017 under funding regulations and tax laws. However, CECONY and O&R made discretionary contributions to the pension plan in 2017 of \$412 million and \$38 million, respectively. In 2018, CECONY and O&R expect to make contributions to the pension plan of \$435 million and \$37 million, respectively. See "Expected Contributions" in Notes E and F to the financial statements in Item 8.

Accounting for Contingencies

The accounting rules for contingencies apply to an existing condition, situation or set of circumstances involving uncertainty as to possible loss that will ultimately be resolved when one or more future events occur or fail to occur. Known material contingencies, which are described in the notes to the financial statements, include certain regulatory matters (Note B), the Utilities' responsibility for hazardous substances, such as asbestos, PCBs and coal tar that have been used or generated in the course of operations (Note G) and other contingencies (Note H). In accordance with the accounting rules, the Companies have accrued estimates of losses relating to the contingencies as to which loss is probable and can be reasonably estimated and no liability has been accrued for contingencies as to which loss is not probable or cannot be reasonably estimated.

The Utilities recover costs for asbestos lawsuits, workers' compensation and environmental remediation pursuant to their current rate plans. Generally, changes during the terms of the rate plans to the amounts accrued for these contingencies would not impact earnings.

Accounting for Long-Lived and Intangible Assets

The accounting rules for certain long-lived assets and intangible assets with definite lives require testing for recoverability whenever events or changes in circumstances indicate their carrying amounts may not be recoverable. The carrying amount of a long-lived asset or intangible asset with a definite life is deemed not recoverable if it exceeds the sum of the undiscounted cash flows expected to result from the use and eventual disposition of the asset. Under the accounting rules, an impairment loss is recognized if the carrying amount is not recoverable from such cash flows, and exceeds its fair value, which approximates market value. In 2015, Con Edison recorded a \$5 million impairment charge on Pike assets held for sale. See Note U to the financial statements in Item 8. No impairment charges on long-lived assets were recognized in 2017 or 2016. No impairment charges on intangible assets with definite lives were recognized in 2017, 2016 or 2015. For information about the Companies' intangible assets, see Note K to the financial statements in Item 8.

Accounting for Goodwill

In accordance with the accounting rules for goodwill and intangible assets, Con Edison is required to test goodwill for impairment annually or whenever there is a triggering event. See "Goodwill" in Note A and Note K to the financial statements in Item 8. The company has an option to first make a qualitative assessment that evaluates relevant events and circumstances, such as industry and market conditions, regulatory environment and financial performance. If, after applying the optional qualitative assessment, it is more likely than not that the fair value of a reporting unit is less than its carrying amount, the company then applies a two-step, quantitative goodwill impairment test.

The first step of the quantitative goodwill impairment test compares the estimated fair value of a reporting unit with its carrying value, including goodwill. If the estimated fair value of a reporting unit exceeds its carrying value, goodwill of the reporting unit is considered not impaired. If the carrying value exceeds the estimated fair value of the reporting unit, the second step is performed to measure the amount of impairment loss, if any. The second step requires a calculation of the implied fair value of goodwill.

Goodwill was \$428 million at December 31, 2017, which consists of \$406 million related to the 1999 O&R merger, \$8 million related to a gas storage company owned by CET Gas and \$14 million related to a residential solar company

owned by the Clean Energy Businesses.

CON EDISON ANNUAL REPORT 2017 77

During 2017, Con Edison elected to perform the optional qualitative assessment for goodwill related to the O&R merger and the gas storage company and determined no quantitative analysis was required and no goodwill impairment was recorded.

The first step of the quantitative analysis was performed for the residential solar company owned by the Clean Energy Businesses. Based on the results, it was determined that the fair value of the reporting unit exceeded the carrying value, and as such, the second step was not required and no goodwill impairment was recorded. The most significant assumptions for the goodwill impairment test relate to the estimates of reporting unit fair values. The company estimated fair values using primarily discounted cash flows. Estimates of future cash flows, projected growth rates and discount rates inherent in the cash flow estimates for Con Edison subsidiaries other than the Utilities may vary significantly from actual results, which could result in a future impairment of goodwill.

During 2016, the impairment tests required a second-step assessment to be performed on goodwill of \$15 million related to two energy service companies owned by the Clean Energy Businesses. Based on the results of step two of the impairment test, the Clean Energy Businesses recorded an impairment charge of \$15 million (\$12 million, net of tax). A second-step assessment of goodwill related to the O&R merger, residential solar company and gas storage company was not required.

Accounting for Derivative Instruments

The Companies apply the accounting rules for derivatives and hedging to their derivative financial instruments. The Companies use derivative financial instruments to hedge market price fluctuations in related underlying transactions for the physical purchase and sale of electricity and gas. The Utilities are permitted by their respective regulators to reflect in rates all reasonably incurred gains and losses on these instruments. The Clean Energy Businesses have also hedged interest rate risk on certain debt securities. See “Financial and Commodity Market Risks,” below and Note O to the financial statements in Item 8.

Where the Companies are required to make mark-to-market estimates pursuant to the accounting rules, the estimates of gains and losses at a particular period end do not reflect the end results of particular transactions, and will most likely not reflect the actual gain or loss at the conclusion of a transaction. Substantially all of the estimated gains or losses are based on prices supplied by external sources such as the fair value of exchange-traded futures and options and the fair value of positions for which price quotations are available through or derived from brokers or other market sources.

Financial and Commodity Market Risks

The Companies are subject to various risks and uncertainties associated with financial and commodity markets. The most significant market risks include interest rate risk, commodity price risk, credit risk and investment risk.

Interest Rate Risk

The Companies' interest rate risk relates primarily to variable rate debt and to new debt financing needed to fund capital requirements, including the construction expenditures of the Utilities and maturing debt securities. Con Edison and its businesses manage interest rate risk through the issuance of mostly fixed-rate debt with varying maturities and through opportunistic refinancing of debt. Con Edison and CECONY estimate that at December 31, 2017, a 10 percent increase in interest rates applicable to its variable rate debt would result in an increase in annual interest expense of \$3 million. Under CECONY's current electric, gas and steam rate plans, variations in actual variable rate tax-exempt debt interest expense are reconciled to levels reflected in rates.

Commodity Price Risk

Con Edison's commodity price risk relates primarily to the purchase and sale of electricity, gas and related derivative instruments. The Utilities and the Clean Energy Businesses apply risk management strategies to mitigate their related exposures. See Note O to the financial statements in Item 8.

Con Edison estimates that, as of December 31, 2017, a 10 percent decline in market prices would result in a decline in fair value of \$82 million for the derivative instruments used by the Utilities to hedge purchases of electricity and gas,

of which \$74 million is for CECONY and \$8 million is for O&R. Con Edison expects that any such change in fair value would be largely offset by directionally opposite changes in the cost of the electricity and gas purchased. In accordance with provisions approved by state regulators, the Utilities generally recover from customers the costs they incur for energy purchased for their customers, including gains and losses on certain

78CON EDISON ANNUAL REPORT 2017

derivative instruments used to hedge energy purchased and related costs. See “Recoverable Energy Costs” in Note A to the financial statements in Item 8.

The Clean Energy Businesses use a value-at-risk (VaR) model to assess the market price risk of their portfolio of electricity and gas commodity fixed-price purchase and sales commitments, physical forward contracts, generating assets and commodity derivative instruments. VaR represents the potential change in fair value of the portfolio due to changes in market prices for a specified time period and confidence level. These businesses estimate VaR across their portfolio using a delta-normal variance/covariance model with a 95 percent confidence level, compare the measured VaR results against performance due to actual prices and stress test the portfolio each quarter using an assumed 30 percent price change from forecast. Since the VaR calculation involves complex methodologies and estimates and assumptions that are based on past experience, it is not necessarily indicative of future results. VaR for the portfolio, assuming a one-day holding period, for the years ended December 31, 2017 and 2016, respectively, was as follows:

95% Confidence Level, One-Day Holding Period	2017	2016
	(Millions of Dollars)	
Average for the period	\$—	\$2
High	1	4
Low	—	1

Credit Risk

The Companies are exposed to credit risk related to transactions entered into primarily for the various energy supply and hedging activities by the Utilities and the Clean Energy Businesses. See the discussion of credit exposure in Note O to the financial statements in Item 8.

Investment Risk

The Companies’ investment risk relates to the investment of plan assets for their pension and other postretirement benefit plans and to the investments of the Clean Energy Businesses and Con Edison Transmission that are accounted for under the equity method. See “Application of Critical Accounting Policies – Accounting for Pensions and Other Postretirement Benefits,” above and Notes A, E and F to the financial statements in Item 8.

The Companies’ current investment policy for pension plan assets includes investment targets of 53 to 63 percent equities and 35 to 49 percent fixed income and other securities. At December 31, 2017, the pension plan investments consisted of 58 percent equity and 42 percent fixed income and other securities.

For the Utilities’ pension and other postretirement benefit plans, regulatory accounting treatment is generally applied in accordance with the accounting rules for regulated operations. In accordance with the Statement of Policy issued by the NYSPSC and its current electric, gas and steam rate plans, CECONY defers for payment to or recovery from customers the difference between the pension and other postretirement benefit expenses and the amounts for such expenses reflected in rates. Generally, O&R also defers such difference pursuant to its rate plans.

Environmental Matters

For information concerning climate change, environmental sustainability, potential liabilities arising from laws and regulations protecting the environment and other environmental matters, see “Environmental Matters” in Item 1 and Note G to the financial statements in Item 8.

Impact of Inflation

The Companies are affected by the decline in the purchasing power of the dollar caused by inflation. Regulation permits the Utilities to recover through depreciation only the historical cost of their plant assets even though in an inflationary economy the cost to replace the assets upon their retirement will substantially exceed historical costs. The impact is, however, partially offset by the repayment of the Companies’ long-term debt in dollars of lesser value than the dollars originally borrowed.

Material Contingencies

For information concerning potential liabilities arising from the Companies’ material contingencies, see “Application of Critical Accounting Policies – Accounting for Contingencies,” above, and Notes B, G and H to the financial statements in Item 8.

Item 7A: Quantitative and Qualitative Disclosures about Market Risk

Con Edison

For information about Con Edison's primary market risks associated with activities in derivative financial instruments, other financial instruments and derivative commodity instruments, see "Financial and Commodity Market Risks," in Item 7 (which information is incorporated herein by reference).

CECONY

For information about CECONY's primary market risks associated with activities in derivative financial instruments, other financial instruments and derivative commodity instruments, see "Financial and Commodity Market Risks" in Item 7 (which information is incorporated herein by reference).

80 CON EDISON ANNUAL REPORT 2017

Item 8: Financial Statements and Supplementary Data

	Page
Financial Statements	
<u>Supplementary Financial Information</u>	
<u>Con Edison</u>	
<u>Report of Management on Internal Control Over Financial Reporting</u>	<u>83</u>
<u>Report of Independent Registered Public Accounting Firm</u>	<u>84</u>
<u>Consolidated Income Statement for the years ended December 31, 2017, 2016 and 2015</u>	<u>86</u>
<u>Consolidated Statement of Comprehensive Income for the years ended December 31, 2017, 2016 and 2015</u>	<u>87</u>
<u>Consolidated Statement of Cash Flows for the years ended December 31, 2017, 2016 and 2015</u>	<u>88</u>
<u>Consolidated Balance Sheet at December 31, 2017 and 2016</u>	<u>89</u>
<u>Consolidated Statement of Equity for the years ended December 31, 2017, 2016 and 2015</u>	<u>91</u>
<u>Consolidated Statement of Capitalization at December 31, 2017 and 2016</u>	<u>92</u>
<u>CECONY</u>	
<u>Report of Management on Internal Control Over Financial Reporting</u>	<u>95</u>
<u>Report of Independent Registered Public Accounting Firm</u>	<u>96</u>
<u>Consolidated Income Statement for the years ended December 31, 2017, 2016 and 2015</u>	<u>98</u>
<u>Consolidated Statement of Comprehensive Income for the years ended December 31, 2017, 2016 and 2015</u>	<u>99</u>
<u>Consolidated Statement of Cash Flows for the years ended December 31, 2017, 2016 and 2015</u>	<u>100</u>
<u>Consolidated Balance Sheet at December 31, 2017 and 2016</u>	<u>101</u>
<u>Consolidated Statement of Shareholder's Equity for the years ended December 31, 2017, 2016 and 2015</u>	<u>103</u>
<u>Consolidated Statement of Capitalization at December 31, 2017 and 2016</u>	<u>104</u>
<u>Notes to the Financial Statements</u>	<u>106</u>
<u>Financial Statement Schedules</u>	
Con Edison	
<u>Schedule I – Condensed Financial Information</u>	<u>160</u>
<u>Schedule II – Valuation and Qualifying Accounts</u>	<u>163</u>
CECONY	
<u>Schedule II – Valuation and Qualifying Accounts</u>	<u>163</u>
All other schedules are omitted because they are not applicable or the required information is shown in financial statements or notes thereto.	

Supplementary Financial Information

Selected Quarterly Financial Data for the years ended December 31, 2017 and 2016 (Unaudited)

Con Edison	2017			
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	(Millions of Dollars, except per share amounts)			
Operating revenues	\$3,228	\$2,633	\$3,211	\$2,961
Operating income	771	423	873	544
Net income	388	175	457	505
Basic earnings per share	\$1.27	\$0.57	\$1.48	\$1.63
Diluted earnings per share	\$1.27	\$0.57	\$1.48	\$1.62

Con Edison	2016			
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	(Millions of Dollars, except per share amounts)			
Operating revenues	\$3,156	\$2,794	\$3,417	\$2,707
Operating income	642	515	940	478
Net income	310	232	497	207
Basic earnings per share	\$1.05	\$0.78	\$1.63	\$0.68
Diluted earnings per share	\$1.05	\$0.77	\$1.62	\$0.67

In the opinion of Con Edison, these quarterly amounts include all adjustments, consisting only of normal recurring accruals, necessary for a fair presentation. The sum of the quarterly financial information may vary from the annual data due to rounding.

CECONY	2017			
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	(Millions of Dollars)			
Operating revenues	\$2,856	\$2,293	\$2,799	\$2,520
Operating income	705	387	800	514
Net income	339	143	401	221

CECONY	2016			
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	(Millions of Dollars)			
Operating revenues	\$2,632	\$2,281	\$2,828	\$2,424
Operating income	640	392	766	463
Net income	310	161	388	197

In the opinion of CECONY, these quarterly amounts include all adjustments, consisting only of normal recurring accruals, necessary for a fair presentation. The sum of the quarterly financial information may vary from the annual data due to rounding.

Report of Management on Internal Control Over Financial Reporting

Management of Consolidated Edison, Inc. and its subsidiaries (the Company) is responsible for establishing and maintaining adequate internal control over financial reporting. Internal control over financial reporting is a process designed to provide reasonable, but not absolute, assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of the effectiveness of controls to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with policies or procedures may deteriorate.

Management of the Company assessed the effectiveness of internal control over financial reporting as of December 31, 2017, using the criteria established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control — Integrated Framework (2013). Based on that assessment, management has concluded that the Company had effective internal control over financial reporting as of December 31, 2017. The effectiveness of the Company's internal control over financial reporting as of December 31, 2017, has been audited by PricewaterhouseCoopers LLP, the Company's independent registered public accounting firm, as stated in their report which appears on the following page of this Annual Report on Form 10-K.

/s/ John McAvoy
John McAvoy
Chairman, President and Chief Executive Officer

/s/ Robert Hoglund
Robert Hoglund
Senior Vice President and Chief Financial Officer
February 15, 2018

Report of Independent Registered Public Accounting Firm
To the Board of Directors and Shareholders of Consolidated Edison, Inc.:

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the consolidated financial statements, including the related notes and financial statement schedules, of Consolidated Edison, Inc. and its subsidiaries (the Company) as listed in the accompanying index (collectively referred to as the “consolidated financial statements”). We also have audited the Company's internal control over financial reporting as of December 31, 2017, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2017 and 2016, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2017 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2017, based on criteria established in Internal Control - Integrated Framework (2013) issued by the COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Report of Management on Internal Control over Financial Reporting. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

84 CON EDISON ANNUAL REPORT 2017

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ PricewaterhouseCoopers LLP

New York, New York

February 15, 2018

We have served as the Company's or its predecessor's auditor since 1938.

Consolidated Edison, Inc.
Consolidated Income Statement

(Millions of Dollars/Except Share Data)	For the Years Ended December 31,		
	2017	2016	2015
OPERATING REVENUES			
Electric	\$8,612	\$8,741	\$8,832
Gas	2,133	1,692	1,709
Steam	595	551	629
Non-utility	693	1,091	1,384
TOTAL OPERATING REVENUES	12,033	12,075	12,554
OPERATING EXPENSES			
Purchased power	1,601	2,439	2,973
Fuel	216	172	248
Gas purchased for resale	808	477	495
Other operations and maintenance	3,303	3,269	3,344
Depreciation and amortization	1,341	1,216	1,130
Taxes, other than income taxes	2,155	2,031	1,937
TOTAL OPERATING EXPENSES	9,424	9,604	10,127
Gain on sale of retail electric supply business and solar electric production projects	1	104	—
OPERATING INCOME	2,610	2,575	2,427
OTHER INCOME (DEDUCTIONS)			
Investment income	79	47	—
Other income	47	44	35
Allowance for equity funds used during construction	11	10	5
Other deductions	(21)	(37)	(16)
TOTAL OTHER INCOME	116	64	24
INCOME BEFORE INTEREST AND INCOME TAX EXPENSE	2,726	2,639	2,451
INTEREST EXPENSE			
Interest on long-term debt	726	678	632
Other interest	11	24	24
Allowance for borrowed funds used during construction	(8)	(6)	(3)
NET INTEREST EXPENSE	729	696	653
INCOME BEFORE INCOME TAX EXPENSE	1,997	1,943	1,798
INCOME TAX EXPENSE	472	698	605
NET INCOME	\$1,525	\$1,245	\$1,193
Net income per common share — basic	\$4.97	\$4.15	\$4.07
Net income per common share — diluted	\$4.94	\$4.12	\$4.05
DIVIDENDS DECLARED PER COMMON SHARE	\$2.76	\$2.68	\$2.60
AVERAGE NUMBER OF SHARES OUTSTANDING — BASIC (IN MILLIONS)	307.1	300.4	293.0
AVERAGE NUMBER OF SHARES OUTSTANDING — DILUTED (IN MILLIONS)	308.8	301.9	294.4

The accompanying notes are an integral part of these financial statements.

Consolidated Edison, Inc.
Consolidated Statement of Comprehensive Income

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	2015
NET INCOME	\$1,525	\$1,245	\$1,193
OTHER COMPREHENSIVE INCOME, NET OF TAXES			
Pension and other postretirement benefit plan liability adjustments, net of taxes	1	7	11
TOTAL OTHER COMPREHENSIVE INCOME, NET OF TAXES	1	7	11
COMPREHENSIVE INCOME	\$1,526	\$1,252	\$1,204

The accompanying notes are an integral part of these financial statements.

CON EDISON ANNUAL REPORT 2017 87

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Consolidated Edison, Inc.

Consolidated Statement of Cash Flows

(Millions of Dollars)	For the Years Ended December 31,	
	2017	2016
OPERATING ACTIVITIES		
Net Income	\$1,531,245	\$1,193
PRINCIPAL NON-CASH CHARGES/(CREDITS) TO INCOME		
Depreciation and amortization	1,341,216	1,130
Deferred income taxes	485,783	653
Rate case amortization and accruals	(124)210	(52)
Common equity component of allowance for funds used during construction	(11)(10)	(5)
Net derivative (gains)/losses	(4) (6)	3
Pre-tax gain on sale of retail electric supply business and solar electric production projects	(1) (104)	—
Other non-cash items, net	(49)142	77
CHANGES IN ASSETS AND LIABILITIES		
Accounts receivable - customers	(6) (69)	96
Materials and supplies, including fuel oil and gas in storage	5 13	22
Other receivables and other current assets	(44)54	(27)
Taxes receivable	15 87	58
Prepayments	(19)20	(14)
Accounts payable	95 29	(79)
Pensions and retiree benefits obligations, net	414 609	756
Pensions and retiree benefits contributions	(467)515	(756)
Accrued taxes	44 2	(10)
Accrued interest	(7) 14	4
Superfund and environmental remediation costs, net	(14)69	22
Distributions from equity investments	108 68	31
System benefit charge	101 244	38
Deferred charges, noncurrent assets and other regulatory assets	2,37697	(111)
Deferred credits and other regulatory liabilities	(2,52468)	182
Other current and noncurrent liabilities	128 (57)	66
NET CASH FLOWS FROM OPERATING ACTIVITIES	3,363,459	3,277
INVESTING ACTIVITIES		
Utility construction expenditures	(3,028)835	(2,562)
Cost of removal less salvage	(248)206	(219)
Non-utility construction expenditures	(415)845	(492)
Investments in electric and gas transmission projects	(45)(1,076)	—
Investments in/acquisitions of renewable electric production projects	(45)(402)	(299)
Proceeds from sale of assets	34 252	—
Restricted cash	7 (17)	(13)
Proceeds from the transfer of assets to NY Transco	— 122	—
Other investing activities	37 31	(72)
NET CASH FLOWS USED IN INVESTING ACTIVITIES	(3,703)976	(3,657)
FINANCING ACTIVITIES		
Net (payment)/issuance of short-term debt	(477)475	729
Issuance of long-term debt	1,692,590	1,147
Retirement of long-term debt	(434)735	(500)
Debt issuance costs	(19)(24)	(15)

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Common stock dividends	(803)763	(733)
Issuance of common shares - public offering	343 702	—
Issuance of common shares for stock plans, net of repurchases	51 51	1
Distribution to noncontrolling interest	(1) (1)	—
NET CASH FLOWS FROM FINANCING ACTIVITIES	357 1,345	629
CASH AND TEMPORARY CASH INVESTMENTS:		
NET CHANGE FOR THE PERIOD	21 (172)	249
BALANCE AT BEGINNING OF PERIOD	776 944	699
BALANCE AT END OF PERIOD	797 772	948
LESS: CHANGE IN CASH BALANCES HELD FOR SALE	— (4)	4
BALANCE AT END OF PERIOD EXCLUDING HELD FOR SALE	\$797\$776	\$944
SUPPLEMENTAL DISCLOSURE OF CASH INFORMATION		
Cash paid/(received) during the period for:		
Interest	\$725\$664	\$597
Income taxes	\$(29)\$(180)	\$(36)
SUPPLEMENTAL DISCLOSURE OF NON-CASH INFORMATION		
Construction expenditures in accounts payable	\$432\$388	\$279
Issuance of common shares for dividend reinvestment	\$46 \$46	\$28
Debt assumed with business acquisitions	\$— \$195	\$—

The accompanying notes are an integral part of these financial statements.

88 CON EDISON ANNUAL REPORT 2017

Consolidated Edison, Inc.
Consolidated Balance Sheet

(Millions of Dollars)	December 31, 2017	December 31, 2016
ASSETS		
CURRENT ASSETS		
Cash and temporary cash investments	\$797	\$776
Accounts receivable — customers, less allowance for uncollectible accounts of \$63 and \$69 in 2017 and 2016, respectively	1,103	1,106
Other receivables, less allowance for uncollectible accounts of \$8 and \$14 in 2017 and 2016, respectively	160	195
Taxes receivable	64	79
Accrued unbilled revenue	598	447
Fuel oil, gas in storage, materials and supplies, at average cost	334	339
Prepayments	178	159
Regulatory assets	67	100
Restricted cash	47	54
Other current assets	189	151
TOTAL CURRENT ASSETS	3,537	3,406
INVESTMENTS		
UTILITY PLANT, AT ORIGINAL COST		
Electric	28,994	27,747
Gas	8,256	7,524
Steam	2,473	2,421
General	3,008	2,719
TOTAL	42,731	40,411
Less: Accumulated depreciation	9,063	8,541
Net	33,668	31,870
Construction work in progress	1,605	1,175
NET UTILITY PLANT	35,273	33,045
NON-UTILITY PLANT		
Non-utility property, less accumulated depreciation of \$201 and \$140 in 2017 and 2016, respectively	1,776	1,482
Construction work in progress	551	689
NET PLANT	37,600	35,216
OTHER NONCURRENT ASSETS		
Goodwill	428	428
Intangible assets, less accumulated amortization of \$15 and \$6 in 2017 and 2016, respectively	131	124
Regulatory assets	4,266	7,024
Other deferred charges and noncurrent assets	148	136
TOTAL OTHER NONCURRENT ASSETS	4,973	7,712
TOTAL ASSETS	\$48,111	\$48,255

The accompanying notes are an integral part of these financial statements.

Consolidated Edison, Inc.		
Consolidated Balance Sheet		
(Millions of Dollars)		
	December 31, 2017	December 31, 2016
LIABILITIES AND SHAREHOLDERS' EQUITY		
CURRENT LIABILITIES		
Long-term debt due within one year	\$1,298	\$39
Notes payable	577	1,054
Accounts payable	1,286	1,147
Customer deposits	346	352
Accrued taxes	108	64
Accrued interest	143	150
Accrued wages	105	101
Fair value of derivative liabilities	17	77
Regulatory liabilities	101	128
System benefit charge	535	434
Other current liabilities	386	297
TOTAL CURRENT LIABILITIES	4,902	3,843
NONCURRENT LIABILITIES		
Provision for injuries and damages	153	160
Pensions and retiree benefits	1,443	1,847
Superfund and other environmental costs	737	753
Asset retirement obligations	314	246
Fair value of derivative liabilities	38	40
Deferred income taxes and unamortized investment tax credits	5,495	10,205
Regulatory liabilities	4,577	1,905
Other deferred credits and noncurrent liabilities	296	215
TOTAL NONCURRENT LIABILITIES	13,053	15,371
LONG-TERM DEBT	14,731	14,735
EQUITY		
Common shareholders' equity	15,418	14,298
Noncontrolling interest	7	8
TOTAL EQUITY (See Statement of Equity)	15,425	14,306
TOTAL LIABILITIES AND EQUITY	\$48,111	\$48,255
The accompanying notes are an integral part of these financial statements.		

Consolidated Edison, Inc.
Consolidated Statement of Equity

(In Millions)	Common Stock Shares	Additional Paid-In Capital	Retained Earnings	Treasury Stock Shares	Treasury Amount	Capital Stock Expense	Accumulated Other Comprehensive Income/(Loss)	Noncontrolling Interest	Total
BALANCE AS OF DECEMBER 31, 2014	92	\$4,991	\$8,691	23	\$(1,032)	\$(61)	\$(45)	\$9	\$12,585
Net income			1,193						1,193
Common stock dividends			(761)						(761)
Issuance of common shares for stock plans, net of repurchases	—	39		—	(6)				33
Other comprehensive income							11		11
Noncontrolling interest									—
BALANCE AS OF DECEMBER 31, 2015	92	\$5,030	\$9,123	23	\$(1,038)	\$(61)	\$(34)	\$9	\$13,061
Net income			1,245						1,245
Common stock dividends			(809)						(809)
Issuance of common shares - public offering	10	723				(22)			702
Issuance of common shares for stock plans	2	101							101
Other comprehensive income							7		7
Noncontrolling interest								(1)	(1)
BALANCE AS OF DECEMBER 31, 2016	93	\$5,854	\$9,559	23	\$(1,038)	\$(83)	\$(27)	\$8	\$14,306
Net income			1,525						1,525
Common stock dividends			(849)						(849)
Issuance of common shares - public offering	1	344				(2)			343
Issuance of common shares for stock plans		100							100
Other comprehensive income							1		1
Noncontrolling interest								(1)	(1)
BALANCE AS OF DECEMBER 31, 2017	94	\$6,298	\$10,235	23	\$(1,038)	\$(85)	\$(26)	\$7	\$15,425

The accompanying notes are an integral part of these financial statements.

Consolidated Edison, Inc.
Consolidated Statement of Capitalization

(In Millions)	Shares		At December 31,	
	2017	2016	2017	2016
TOTAL EQUITY BEFORE ACCUMULATED OTHER COMPREHENSIVE LOSS	310	305	\$15,444	\$14,325
Pension plan liability adjustments, net of taxes			(23)	(24)
Unrealized losses on derivatives qualified as cash flow hedges, less reclassification adjustment for gains/(losses) included in net income and reclassification adjustment for unrealized losses included in regulatory assets, net of taxes			(3)	(3)
TOTAL ACCUMULATED OTHER COMPREHENSIVE LOSS, NET OF TAXES			(26)	(27)
Equity			15,418	14,298
Noncontrolling interest			7	8
TOTAL EQUITY (See Statement of Equity)			\$15,425	\$14,306

The accompanying notes are an integral part of these financial statements.

92 CON EDISON ANNUAL REPORT 2017

Consolidated Edison, Inc.
Consolidated Statement of Capitalization

LONG-TERM DEBT (Millions of Dollars)	Interest Rate	Series	At December 31,	
Maturity			2017	2016
DEBENTURES:				
2018	5.85	2008A	600	600
2018	6.15	2008A	50	50
2018	7.125	2008C	600	600
2019	4.96	2009A	60	60
2019	6.65	2009B	475	475
2020	4.45	2010A	350	350
2020	2.00	2017A	400	—
2021	2.00	2016A	500	500
2024	3.30	2014B	250	250
2026	2.90	2016B	250	250
2027	6.50	1997F	80	80
2027	3.125	2017B	350	—
2033	5.875	2003A	175	175
2033	5.10	2003C	200	200
2034	5.70	2004B	200	200
2035	5.30	2005A	350	350
2035	5.25	2005B	125	125
2036	5.85	2006A	400	400
2036	6.20	2006B	400	400
2036	5.70	2006E	250	250
2037	6.30	2007A	525	525
2038	6.75	2008B	600	600
2039	6.00	2009B	60	60
2039	5.50	2009C	600	600
2040	5.70	2010B	350	350
2040	5.50	2010B	115	115
2042	4.20	2012A	400	400
2043	3.95	2013A	700	700
2044	4.45	2014A	850	850
2045	4.50	2015A	650	650
2045	4.95	2015A	120	120
2045	4.69	2015B	100	100
2046	3.85	2016A	550	550
2046	3.88	2016A	75	75
2047	3.875	2017A	500	—
2054	4.625	2014C	750	750
2056	4.30	2016C	500	500
2057	4.00	2017C	350	—
TOTAL DEBENTURES			13,860	12,260

Consolidated Edison, Inc.
Consolidated Statement of Capitalization

LONG-TERM DEBT (Millions of Dollars)			At	
Maturity	Interest Rate	Series	2017	2016
TAX-EXEMPT DEBT - Notes issued to New York State Energy Research and Development Authority for Facilities Revenue Bonds (a):				
2032	2.45%	2004B Series 1	\$127	\$127
2034	1.834	1999A	293	293
2035	1.68	2004B Series 2	20	20
2036	1.796	2001B	98	98
2036	1.715	2010A	225	225
2039	1.943	2004A	98	98
2039	1.663	2004C	99	99
2039	1.627	2005A	126	126
TOTAL TAX-EXEMPT DEBT			1,086	1,086
PROJECT DEBT:				
2024-2032	Variable - 4.52%	Coram	170	180
2031-2038	5.25 - 4.95	Texas Solar 4	61	64
2036	3.94	California Solar 2	110	114
2036	4.07	California Solar 3	93	95
2040	4.53	Texas Solar 5	155	158
2041	4.21	Texas Solar 7	214	218
2042	4.45	Upton County Solar	97	—
Other project debt			15	16
TOTAL PROJECT DEBT			915	845
Long-term debt - Variable rate term loan			—	400
Other long-term debt			310	317
Unamortized debt expense			(113)	(107)
Unamortized debt discount			(29)	(27)
TOTAL			16,029	14,774
Less: Long-term debt due within one year			1,298	39
TOTAL LONG-TERM DEBT			14,731	14,735
TOTAL CAPITALIZATION			\$30,149	\$29,033

(a) Rates are to be reset weekly or by auction held every 35 days; December 31, 2017 rates shown.

The accompanying notes are an integral part of these financial statements.

Report of Management on Internal Control Over Financial Reporting

Management of Consolidated Edison Company of New York, Inc. and its subsidiaries (the Company) is responsible for establishing and maintaining adequate internal control over financial reporting. Internal control over financial reporting is a process designed to provide reasonable, but not absolute, assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with accounting principles generally accepted in the United States of America.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of the effectiveness of controls to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with policies or procedures may deteriorate.

Management of the Company assessed the effectiveness of internal control over financial reporting as of December 31, 2017, using the criteria established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control – Integrated Framework (2013). Based on that assessment, management has concluded that the Company had effective internal control over financial reporting as of December 31, 2017.

The effectiveness of the Company's internal control over financial reporting as of December 31, 2017, has been audited by PricewaterhouseCoopers LLP, the Company's independent registered public accounting firm, as stated in their report which appears on the following page of this Annual Report on Form 10-K.

/s/ John McAvoy
John McAvoy
Chairman and Chief Executive Officer

/s/ Robert Hoglund
Robert Hoglund
Senior Vice President and Chief Financial Officer
February 15, 2018

Report of Independent Registered Public Accounting Firm

To the Board of Trustees and Shareholder of Consolidated Edison Company of New York, Inc.:

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the consolidated financial statements, including the related notes and financial statement schedule, of Consolidated Edison Company of New York, Inc. and its subsidiaries (the Company) as listed in the accompanying index (collectively referred to as the “consolidated financial statements”). We also have audited the Company's internal control over financial reporting as of December 31, 2017, based on criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2017 and 2016, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2017 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2017, based on criteria established in Internal Control - Integrated Framework (2013) issued by the COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Report of Management on Internal Control over Financial Reporting. Our responsibility is to express opinions on the Company's consolidated financial statements, and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audit of internal control over financial reporting included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

96CON EDISON ANNUAL REPORT 2017

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ PricewaterhouseCoopers LLP

New York, New York

February 15, 2018

We have served as the Company's auditor since 1938.

CON EDISON ANNUAL REPORT 2017 97

Consolidated Edison Company of New York, Inc.
Consolidated Income Statement

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	2015
OPERATING REVENUES			
Electric	\$7,972	\$8,106	\$8,172
Gas	1,901	1,508	1,527
Steam	595	551	629
TOTAL OPERATING REVENUES	10,468	10,165	10,328
OPERATING EXPENSES			
Purchased power	1,415	1,568	1,719
Fuel	216	172	248
Gas purchased for resale	510	319	337
Other operations and maintenance	2,670	2,806	2,881
Depreciation and amortization	1,195	1,106	1,040
Taxes, other than income taxes	2,057	1,932	1,856
TOTAL OPERATING EXPENSES	8,063	7,903	8,081
OPERATING INCOME	2,405	2,262	2,247
OTHER INCOME (DEDUCTIONS)			
Investment and other income	14	8	5
Allowance for equity funds used during construction	10	8	4
Other deductions	(17)	(16)	(14)
TOTAL OTHER INCOME (DEDUCTIONS)	7	—	(5)
INCOME BEFORE INTEREST AND INCOME TAX EXPENSE	2,412	2,262	2,242
INTEREST EXPENSE			
Interest on long-term debt	615	588	567
Other interest	14	19	19
Allowance for borrowed funds used during construction	(6)	(4)	(2)
NET INTEREST EXPENSE	623	603	584
INCOME BEFORE INCOME TAX EXPENSE	1,789	1,659	1,658
INCOME TAX EXPENSE	685	603	574
NET INCOME	\$1,104	\$1,056	\$1,084

The accompanying notes are an integral part of these financial statements.

Consolidated Edison Company of New York, Inc.
Consolidated Statement of Comprehensive Income

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	2015
NET INCOME	\$1,104	\$1,056	\$1,084
OTHER COMPREHENSIVE INCOME, NET OF TAXES			
Pension and other postretirement benefit plan liability adjustments, net of taxes	1	2	2
TOTAL OTHER COMPREHENSIVE INCOME, NET OF TAXES	1	2	2
COMPREHENSIVE INCOME	\$1,105	\$1,058	\$1,086

The accompanying notes are an integral part of these financial statements.

Consolidated Edison Company of New York, Inc.
Consolidated Statement of Cash Flows

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	2015
OPERATING ACTIVITIES			
Net income	\$1,104	\$1,056	\$1,084
PRINCIPAL NON-CASH CHARGES/(CREDITS) TO INCOME			
Depreciation and amortization	1,195	1,106	1,040
Deferred income taxes	575	545	449
Rate case amortization and accruals	(142)	(227)	(74)
Common equity component of allowance for funds used during construction	(10)	(8)	(4)
Other non-cash items, net	(61)	(31)	(27)
CHANGES IN ASSETS AND LIABILITIES			
Accounts receivable - customers	15	(23)	87
Materials and supplies, including fuel oil and gas in storage	(17)	18	24
Other receivables and other current assets	8	(11)	38
Accounts receivables from affiliated companies	45	81	(58)
Prepayments	(8)	13	13
Accounts payable	125	20	(51)
Accounts payable to affiliated companies	—	(2)	(11)
Pensions and retiree benefits obligations, net	370	579	714
Pensions and retiree benefits contributions	(420)	(476)	(703)
Superfund and environmental remediation costs, net	(12)	79	19
Accrued taxes	52	1	3
Accrued taxes to affiliated companies	(47)	117	(8)
Accrued interest	2	(7)	1
System benefit charge	85	221	38
Deferred charges, noncurrent assets and other regulatory assets	2,212	(172)	(150)
Deferred credits and other regulatory liabilities	(2,242)	179	379
Other current and noncurrent liabilities	37	(20)	16
NET CASH FLOWS FROM OPERATING ACTIVITIES	2,866	3,038	2,819
INVESTING ACTIVITIES			
Utility construction expenditures	(2,840)	(2,672)	(2,410)
Cost of removal less salvage	(240)	(203)	(212)
Proceeds from the transfer of assets to NY Transco	—	122	—
Restricted cash	2	14	(16)
NET CASH FLOWS USED IN INVESTING ACTIVITIES	(3,078)	(2,739)	(2,638)
FINANCING ACTIVITIES			
Net (payment)/issuance of short-term debt	(450)	(433)	583
Issuance of long-term debt	1,200	1,300	650
Retirement of long-term debt	—	(650)	(350)
Debt issuance costs	(15)	(13)	(7)
Capital contribution by parent	301	100	13
Dividend to parent	(796)	(744)	(872)
NET CASH FLOWS FROM/(USED IN) FINANCING ACTIVITIES	240	(440)	17
CASH AND TEMPORARY CASH INVESTMENTS:			
NET CHANGE FOR THE PERIOD	28	(141)	198
BALANCE AT BEGINNING OF PERIOD	702	843	645
BALANCE AT END OF PERIOD	\$730	\$702	\$843

SUPPLEMENTAL DISCLOSURE OF CASH INFORMATION

Cash paid/(received) during the period for:

Interest	\$602	\$581	\$554
Income taxes	\$108	\$(162)	\$163

SUPPLEMENTAL DISCLOSURE OF NON-CASH INFORMATION

Construction expenditures in accounts payable	\$351	\$295	\$210
---	-------	-------	-------

The accompanying notes are an integral part of these financial statements.

100CON EDISON ANNUAL REPORT 2017

Consolidated Edison Company of New York, Inc.
Consolidated Balance Sheet

(Millions of Dollars)	December 31, 2017	December 31, 2016
ASSETS		
CURRENT ASSETS		
Cash and temporary cash investments	\$730	\$702
Accounts receivable – customers, less allowance for uncollectible accounts of \$58 and \$65 in 2017 and 2016, respectively	1,009	1,032
Other receivables, less allowance for uncollectible accounts of \$7 and \$13 in 2017 and 2016, respectively	92	81
Taxes receivable	19	—
Accrued unbilled revenue	454	399
Accounts receivable from affiliated companies	64	109
Fuel oil, gas in storage, materials and supplies, at average cost	287	270
Prepayments	108	100
Regulatory assets	62	90
Restricted cash	—	2
Other current assets	84	95
TOTAL CURRENT ASSETS	2,909	2,880
INVESTMENTS		
UTILITY PLANT AT ORIGINAL COST		
Electric	27,299	26,122
Gas	7,499	6,814
Steam	2,473	2,421
General	2,753	2,490
TOTAL	40,024	37,847
Less: Accumulated depreciation	8,321	7,836
Net	31,703	30,011
Construction work in progress	1,502	1,104
NET UTILITY PLANT	33,205	31,115
NON-UTILITY PROPERTY		
Non-utility property, less accumulated depreciation of \$25 in 2017 and 2016	4	4
NET PLANT	33,209	31,119
OTHER NONCURRENT ASSETS		
Regulatory assets	3,863	6,473
Other deferred charges and noncurrent assets	87	69
TOTAL OTHER NONCURRENT ASSETS	3,950	6,542
TOTAL ASSETS	\$40,451	\$40,856

The accompanying notes are an integral part of these financial statements.

Consolidated Edison Company of New York, Inc.
Consolidated Balance Sheet

(Millions of Dollars)	December 31, 2017	December 31, 2016
LIABILITIES AND SHAREHOLDER'S EQUITY		
CURRENT LIABILITIES		
Long-term debt due within one year	\$1,200	\$—
Notes payable	150	600
Accounts payable	1,057	876
Accounts payable to affiliated companies	10	10
Customer deposits	334	336
Accrued taxes	102	50
Accrued taxes to affiliated companies	72	119
Accrued interest	113	111
Accrued wages	95	91
Fair value of derivative liabilities	12	66
Regulatory liabilities	65	90
System benefit charge	483	398
Other current liabilities	245	242
TOTAL CURRENT LIABILITIES	3,938	2,989
NONCURRENT LIABILITIES		
Provision for injuries and damages	147	154
Pensions and retiree benefits	1,140	1,544
Superfund and other environmental costs	637	655
Asset retirement obligations	287	227
Fair value of derivative liabilities	31	33
Deferred income taxes and unamortized investment tax credits	5,306	9,450
Regulatory liabilities	4,219	1,712
Other deferred credits and noncurrent liabilities	242	190
TOTAL NONCURRENT LIABILITIES	12,009	13,965
LONG-TERM DEBT	12,065	12,073
COMMON SHAREHOLDER'S EQUITY (See Statement of Shareholder's Equity)	12,439	11,829
TOTAL LIABILITIES AND SHAREHOLDER'S EQUITY	\$40,451	\$40,856

The accompanying notes are an integral part of these financial statements.

Consolidated Edison Company of New York, Inc.

Consolidated Statement of Shareholder's Equity

(In Millions)	Common Stock		Additional Paid-In Capital	Retained Earnings	Repurchased Con Edison Stock	Capital Stock Expense	Accumulated Other Comprehensive Income/(Loss)	Total
	Shares	Amount						
BALANCE AS OF DECEMBER 31, 2014	235	\$589	\$4,234	\$7,399	\$(962)	\$(61)	\$(11)	\$11,188
Net income				1,084				1,084
Common stock dividend to parent				(872)				(872)
Capital contribution by parent			13					13
Other comprehensive income							2	2
BALANCE AS OF DECEMBER 31, 2015	235	\$589	\$4,247	\$7,611	\$(962)	\$(61)	\$(9)	\$11,415
Net income				1,056				1,056
Common stock dividend to parent				(744)				(744)
Capital contribution by parent			100					100
Other comprehensive income							2	2
BALANCE AS OF DECEMBER 31, 2016	235	\$589	\$4,347	\$7,923	\$(962)	\$(61)	\$(7)	\$11,829
Net income				\$1,104				1,104
Common stock dividend to parent				(796)				(796)
Capital contribution by parent			302			(1)		301
Other comprehensive income							1	1
BALANCE AS OF DECEMBER 31, 2017	235	\$589	\$4,649	\$8,231	\$(962)	\$(62)	\$(6)	\$12,439

The accompanying notes are an integral part of these financial statements.

Consolidated Edison Company of New York, Inc.
 Consolidated Statement of Capitalization

(In Millions)	Shares outstanding			
	December 31, 2017		At December 31, 2016	
TOTAL SHAREHOLDER'S EQUITY BEFORE ACCUMULATED OTHER COMPREHENSIVE LOSS	235	235	\$12,445	\$11,836
Pension plan liability adjustments, net of taxes			(3)	(4)
Unrealized losses on derivatives qualified as cash flow hedges, less reclassification adjustment for losses included in net income and reclassification adjustment for unrealized losses included in regulatory assets, net of taxes			(3)	(3)
TOTAL ACCUMULATED OTHER COMPREHENSIVE LOSS, NET OF TAXES			(6)	(7)
TOTAL SHAREHOLDER'S EQUITY (See Statement of Shareholder's Equity)			\$12,439	\$11,829

The accompanying notes are an integral part of these financial statements.

104 CON EDISON ANNUAL REPORT 2017

Consolidated Edison Company of New York, Inc.

Consolidated Statement of Capitalization

LONG-TERM

DEBT (Millions of Dollars)

At December 31,

Maturity	Interest Rate	Series	2017	2016
DEBENTURES:				
2018	5.85	2008A	600	600
2018	7.125	2008C	600	600
2019	6.65	2009B	475	475
2020	4.45	2010A	350	350
2024	3.30	2014B	250	250
2026	2.90	2016B	250	250
2027	3.125	2017B	350	—
2033	5.875	2003A	175	175
2033	5.10	2003C	200	200
2034	5.70	2004B	200	200
2035	5.30	2005A	350	350
2035	5.25	2005B	125	125
2036	5.85	2006A	400	400
2036	6.20	2006B	400	400
2036	5.70	2006E	250	250
2037	6.30	2007A	525	525
2038	6.75	2008B	600	600
2039	5.50	2009C	600	600
2040	5.70	2010B	350	350
2042	4.20	2012A	400	400
2043	3.95	2013A	700	700
2044	4.45	2014A	850	850
2045	4.50	2015A	650	650
2046	3.85	2016A	550	550
2047	3.875	2017A	500	—
2054	4.625	2014C	750	750
2056	4.30	2016C	500	500
2057	4.00	2017C	350	—
TOTAL DEBENTURES			12,300	11,100
TAX-EXEMPT DEBT – Notes				
issued to New York State				
Energy Research and				
Development Authority for				
Facilities Revenue Bonds (a):				
2032	2.45%	2004B Series 1	127	127
2034	1.834	1999A	293	293
2035	1.68	2004B Series 2	20	20
2036	1.796	2001B	98	98
2036	1.715	2010A	225	225
2039	1.943	2004A	98	98
2039	1.663	2004C	99	99
2039	1.627	2005A	126	126
TOTAL TAX-EXEMPT DEBT			1,086	1,086

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Unamortized debt expense	(94)	(87)
Unamortized debt discount	(27)	(26)
TOTAL	13,265	12,073
Less: Long-term debt due within one year	1,200	—
TOTAL LONG-TERM DEBT	12,065	12,073
TOTAL CAPITALIZATION	\$24,504	\$23,902

(a) Rates are to be reset weekly or by auction held every 35 days; December 31, 2017 rates shown.

The accompanying notes are an integral part of these financial statements.

CON EDISON ANNUAL REPORT 2017 105

Notes to the Financial Statements

General

These combined notes accompany and form an integral part of the separate consolidated financial statements of each of the two separate registrants: Consolidated Edison, Inc. and its subsidiaries (Con Edison) and Consolidated Edison Company of New York, Inc. and its subsidiaries (CECONY). CECONY is a subsidiary of Con Edison and as such its financial condition and results of operations and cash flows, which are presented separately in the CECONY consolidated financial statements, are also consolidated, along with those of Orange and Rockland Utilities, Inc. (O&R), Con Edison Clean Energy Businesses, Inc. (together with its subsidiaries, the Clean Energy Businesses) and Con Edison Transmission, Inc. (together with its subsidiaries, Con Edison Transmission) in Con Edison's consolidated financial statements. The term "Utilities" is used in these notes to refer to CECONY and O&R.

As used in these notes, the term "Companies" refers to Con Edison and CECONY and, except as otherwise noted, the information in these combined notes relates to each of the Companies. However, CECONY makes no representation as to information relating to Con Edison or the subsidiaries of Con Edison other than itself.

Con Edison has two regulated utility subsidiaries: CECONY and O&R. CECONY provides electric service and gas service in New York City and Westchester County. The company also provides steam service in parts of Manhattan. O&R, along with its regulated utility subsidiary, provides electric service in southeastern New York and northern New Jersey and gas service in southeastern New York. Con Edison Clean Energy Businesses, Inc. has three subsidiaries: Consolidated Edison Development, Inc. (Con Edison Development), a company that develops, owns and operates renewable and energy infrastructure projects; Consolidated Edison Energy, Inc. (Con Edison Energy), a company that provides energy-related products and services to wholesale customers; and Consolidated Edison Solutions, Inc. (Con Edison Solutions), a company that provides energy-related products and services to retail customers. Con Edison Transmission, Inc. invests in electric transmission facilities through its subsidiary, Consolidated Edison Transmission, LLC (CET Electric), and invests in gas pipeline and storage facilities through its subsidiary Con Edison Gas Pipeline and Storage, LLC (CET Gas). See Note U.

Note A – Summary of Significant Accounting Policies

Principles of Consolidation

The Companies' consolidated financial statements include the accounts of their respective majority-owned subsidiaries, and variable interest entities (see Note Q), as required. All intercompany balances and transactions have been eliminated.

Accounting Policies

The accounting policies of Con Edison and its subsidiaries conform to generally accepted accounting principles in the United States of America (GAAP). For the Utilities, these accounting principles include the accounting rules for regulated operations and the accounting requirements of the Federal Energy Regulatory Commission (FERC) and the state regulators having jurisdiction.

The accounting rules for regulated operations specify the economic effects that result from the causal relationship of costs and revenues in the rate-regulated environment and how these effects are to be accounted for by a regulated enterprise. Revenues intended to cover some costs may be recorded either before or after the costs are incurred. If regulation provides assurance that incurred costs will be recovered in the future, these costs would be recorded as deferred charges or "regulatory assets" under the accounting rules for regulated operations. If revenues are recorded for costs that are expected to be incurred in the future, these revenues would be recorded as deferred credits or "regulatory liabilities" under the accounting rules for regulated operations.

The Utilities' principal regulatory assets and liabilities are detailed in Note B. The Utilities are receiving or being credited with a return on all of their regulatory assets for which a cash outflow has been made, and are paying or being charged with a return on all of their regulatory liabilities for which a cash inflow has been received. The Utilities' regulatory assets and liabilities will be recovered from customers, or applied for customer benefit, in accordance with rate provisions approved by the applicable state regulators.

Other significant accounting policies of the Companies are referenced below in this Note A and in the notes that follow.

Plant and Depreciation

Utility Plant

Utility plant is stated at original cost. The cost of repairs and maintenance is charged to expense and the cost of betterments is capitalized. The capitalized cost of additions to utility plant includes indirect costs such as engineering, supervision, payroll taxes, pensions, other benefits and an allowance for funds used during construction (AFUDC). The original cost of property is charged to expense over the estimated useful lives of the assets. Upon retirement, the original cost of property is charged to accumulated depreciation. See Note R.

Rates used for AFUDC include the cost of borrowed funds and a reasonable rate of return on the Utilities' own funds when so used, determined in accordance with regulations of the FERC or the state public utility regulatory authority having jurisdiction. The rate is compounded semiannually, and the amounts applicable to borrowed funds are treated as a reduction of interest charges, while the amounts applicable to the Utilities' own funds are credited to other income (deductions). The AFUDC rates for CECONY were 5.5 percent, 4.7 percent and 4.4 percent for 2017, 2016 and 2015, respectively. The AFUDC rates for O&R were 2.5 percent, 3.5 percent and 0.4 percent for 2017, 2016 and 2015, respectively.

The Utilities generally compute annual charges for depreciation using the straight-line method for financial statement purposes, with rates based on average service lives and net salvage factors. The average depreciation rates for CECONY were 3.1 percent for 2017, 2016 and 2015. The average depreciation rates for O&R were 2.9 percent for 2017 and 2016 and 3.0 percent for 2015.

The estimated lives for utility plant for CECONY range from 5 to 95 years for electric, 5 to 100 years for gas, 5 to 80 years for steam and 5 to 55 years for general plant. For O&R, the estimated lives for utility plant range from 5 to 75 years for electric and gas and 5 to 50 years for general plant.

At December 31, 2017 and 2016, the capitalized cost of the Companies' utility plant, net of accumulated depreciation, was as follows:

(Millions of Dollars)	Edison	Con		CECONY
		2017	2016	2017	2016
Electric				
Generation	\$544	\$479	\$544	\$479
Transmission	3,210	3,184	2,990	2,963
Distribution	18,959	18,150	17,996	17,234
Gas (a)	6,976	6,285	6,403	5,749
Steam	1,798	1,882	1,798	1,882
General	2,105	1,816	1,905	1,639
Held for future use	76	74	67	65
Construction work in progress	1,605	1,175	1,502	1,104
Net Utility Plant	\$35,273	\$33,045	\$33,205	\$31,115

(a) Primarily distribution.

Under the Utilities' rate plans, the aggregate annual depreciation allowance for the period ended December 31, 2017 was \$1,253 million, including \$1,184 million under CECONY's electric, gas and steam rate plans that have been approved by the New York State Public Service Commission (NYSPSC).

Non-Utility Plant

Non-utility plant is stated at original cost. For Con Edison, non-utility plant consists primarily of the Clean Energy Businesses' renewable electric production and gas storage. For the Utilities, non-utility plant consists of land and conduit for telecommunication use. Depreciation on these assets is computed using the straight-line method for financial statement purposes over their estimated useful lives, which range from 3 to 30 years.

Goodwill

Con Edison tests goodwill for impairment at least annually or whenever there is a triggering event. There is an option to first make a qualitative assessment of whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount before applying a two-step, quantitative goodwill impairment test. Con Edison has elected to perform the qualitative assessment for substantially all of its goodwill and, if needed, applies the two-step quantitative approach. The first step of the quantitative goodwill impairment test compares the estimated fair value of a reporting unit with its carrying value, including goodwill. If the estimated fair value of a reporting unit exceeds its carrying value, goodwill of the reporting unit is considered not impaired. If the carrying value exceeds the estimated fair value of the reporting unit, the second step is performed to measure the amount of impairment loss, if any. The second step requires a calculation of the implied fair value of goodwill. In 2017, Con Edison recorded no impairment charge on goodwill. See Note K.

Long-Lived and Intangible Assets

Con Edison evaluates the impairment of long-lived assets and intangible assets with definite lives, based on projections of undiscounted future cash flows, whenever events or changes in circumstances indicate that the carrying amounts of such assets may not be recoverable. In the event an evaluation indicates that such cash flows cannot be expected to be sufficient to fully recover the assets, the assets are written down to their estimated fair value. In 2015, Con Edison recorded a \$5 million impairment charge on the assets held for sale of Pike County Light & Power Company (Pike), a former O&R subsidiary that was sold in August 2016 (see Note U). No impairment charges on long-lived assets were recognized in 2017 or 2016. No impairment charges on intangible assets with definite lives were recognized in 2017, 2016, or 2015. For information about the Companies' intangible assets, see Note K.

Revenues

The Utilities and Con Edison Solutions, until the sale of its retail electric supply business in September 2016 (see Note U), recognize revenues as energy is delivered to customers. The Utilities accrue and Con Edison Solutions accrued revenues at the end of each month for estimated energy not yet billed to customers. The Utilities defer over a 12-month period net interruptible gas revenues, other than those authorized by the NYSPSC to be retained by the Utilities, for refund to firm gas sales and transportation customers. Con Edison Development recognizes revenue for the sale of energy from renewable electric production projects as energy is generated and billed to counterparties. Con Edison Development accrues revenues at the end of each month for energy not yet billed to counterparties. Con Edison Energy recognizes revenue as energy is delivered and services are provided for managing energy supply assets leased from others and managing the dispatch, fuel requirements and risk management activities for generating plants and merchant transmission in the northeastern United States. Con Edison Solutions recognizes revenue for providing energy-efficiency services to government and commercial customers, and Con Edison Development recognizes revenue for the engineering, procurement and construction of Upton 2, under the percentage-of-completion method of revenue recognition.

Sales and profits on each percentage-of-completion contract are recorded based on the ratio of actual cumulative costs incurred to the total estimated costs at completion of the contract, multiplied by the total estimated contract revenue, less cumulative sales recognized in prior periods (the "cost-to-cost" method). The impact of revisions of contract estimates, which may result from contract modifications, performance or other reasons, are recognized on a cumulative catch-up basis in the period in which the revisions are made. Unbilled contract revenues were \$58 million and \$21 million as of December 31, 2017 and 2016, respectively, and represent accumulated incurred costs and earned profits on contracts (revenue arrangements), which have been recorded as revenues, but have not yet been billed to customers. Substantially all unbilled contract revenues are expected to be collected within one year. Unbilled contract revenues arise from the cost-to-cost method of revenue recognition. Unbilled contract revenues from fixed-price type contracts are converted to billed receivables when amounts are invoiced to customers according to contractual billing terms, which generally occur when deliveries or other performance milestones are completed. Unearned revenue, which reflects a liability for billings to customers in excess of earned revenue was \$87 million and \$2 million as of December 31, 2017 and 2016, respectively.

Revenues recorded as energy is delivered, generated or services provided and billed to customers are recorded in accounts receivable – customers. Con Edison's and the Utilities' accounts receivable – customers balance also reflects the Utilities' purchase of receivables from energy service companies to support retail choice programs. Accrued revenues not yet billed to customers are recorded as accrued unbilled revenues.

108 CON EDISON ANNUAL REPORT 2017

CECONY's electric and gas rate plans and O&R's New York electric and gas rate plans each contain a revenue decoupling mechanism under which the company's actual energy delivery revenues are compared with the authorized delivery revenues and the difference accrued, with interest, for refund to, or recovery from, customers, as applicable. See "Rate Plans" in Note B.

The NYSPSC requires utilities to record gross receipts tax revenues and expenses on a gross income statement presentation basis (i.e., included in both revenue and expense). The recovery of these taxes is generally provided for in the revenue requirement within each of the respective NYSPSC approved rate plans. Total excise taxes (inclusive of gross receipts taxes) recorded in operating revenues were as follows:

	For the Years Ended December 31,		
(Millions of Dollars)	2017	2016	2015
Con Edison	\$302	\$336	\$354
CECONY	292	316	331

For information about changes to the accounting rules for revenue recognition, see Note T.

Recoverable Energy Costs

The Utilities generally recover all of their prudently incurred fuel, purchased power and gas costs, including hedging gains and losses, in accordance with rate provisions approved by the applicable state public utility regulators. If the actual energy supply costs for a given month are more or less than the amounts billed to customers for that month, the difference in most cases is recoverable from or refundable to customers. Differences between actual and billed electric and steam supply costs and costs of its electric demand management programs are generally deferred for charge or refund to customers during the next billing cycle (normally within one or two months). For the Utilities' gas costs, differences between actual and billed gas costs during the 12-month period ending each August are charged or refunded to customers during a subsequent 12-month period.

New York Independent System Operator (NYISO)

The Utilities purchase electricity through the wholesale electricity market administered by the NYISO. The difference between purchased power and related costs initially billed to the Utilities by the NYISO and the actual cost of power subsequently calculated by the NYISO is refunded by the NYISO to the Utilities, or paid to the NYISO by the Utilities. The reconciliation payments or receipts are recoverable from or refundable to the Utilities' customers. Certain other payments to or receipts from the NYISO are also subject to reconciliation, with shortfalls or amounts in excess of specified rate allowances recoverable from or refundable to customers. These include proceeds from the sale through the NYISO of transmission rights on CECONY's transmission system (transmission congestion contracts or TCCs).

Temporary Cash Investments

Temporary cash investments are short-term, highly-liquid investments that generally have maturities of three months or less at the date of purchase. They are stated at cost, which approximates market. The Companies consider temporary cash investments to be cash equivalents.

Investments

Investments consist primarily of the investments of Con Edison Transmission and the Clean Energy Businesses that are accounted for under the equity method, and the fair value of the Utilities' supplemental retirement income plan and deferred income plan assets. The following investment assets are included in the Companies' consolidated balance sheets at December 31, 2017 and 2016:

(Millions of Dollars)	Con Edison		CECONY	
	2017	2016	2017	2016
CET Gas investment in Stagecoach Gas Services, LLC (a)	\$971	\$992	\$—	\$—
Con Edison Development equity method investments (b)	467	488	—	—
Supplemental retirement income plan assets (c)	330	273	301	246
CET Gas investment in Mountain Valley Pipeline, LLC (a)	98	48	—	—
Deferred income plan assets	73	60	73	60
CET Electric investment in New York Transco, LLC (a)	53	51	—	—
Other	9	9	9	9
Total investments	\$2,001	\$1,921	\$383	\$315

(a) See Note U.

(b) See Note Q.

(c) See Note E.

Pension and Other Postretirement Benefits

The accounting rules for retirement benefits require an employer to recognize an asset or liability for the overfunded or underfunded status of its pension and other postretirement benefit plans. For a pension plan, the asset or liability is the difference between the fair value of the plan's assets and the projected benefit obligation. For any other postretirement benefit plan, the asset or liability is the difference between the fair value of the plan's assets and the accumulated postretirement benefit obligation. The accounting rules generally require employers to recognize all unrecognized prior service costs and credits and unrecognized actuarial gains and losses in accumulated other comprehensive income/(loss) (OCI), net of tax. Such amounts will be adjusted as they are subsequently recognized as components of total periodic benefit cost or income pursuant to the current recognition and amortization provisions. For the Utilities' pension and other postretirement benefit plans, regulatory accounting treatment is generally applied in accordance with the accounting rules for regulated operations. Unrecognized prior service costs or credits and unrecognized actuarial gains and losses are recorded to regulatory assets or liabilities, rather than OCI. See Notes E and F.

The total periodic benefit costs are recognized in accordance with the accounting rules for retirement benefits. Investment gains and losses are recognized in expense over a 15-year period and other actuarial gains and losses are recognized in expense over a 10-year period, subject to the deferral provisions in the rate plans. In accordance with the Statement of Policy issued by the NYSPSC and its current electric, gas and steam rate plans, CECONY defers for payment to or recovery from customers the difference between such expenses and the amounts for such expenses reflected in rates. Generally, O&R also defers such difference pursuant to its rate plans. See Note B. The Companies calculate the expected return on pension and other postretirement benefit plan assets by multiplying the expected rate of return on plan assets by the market-related value (MRV) of plan assets at the beginning of the year, taking into consideration anticipated contributions and benefit payments that are to be made during the year. The accounting rules allow the MRV of plan assets to be either fair value or a calculated value that recognizes changes in fair value in a systematic and rational manner over not more than five years. The Companies use a calculated value when determining the MRV of the plan assets that adjusts for 20 percent of the difference between fair value and expected MRV of plan assets. This calculated value has the effect of stabilizing variability in assets to which the Companies apply the expected return.

Federal Income Tax

In accordance with accounting rules for income taxes, the Companies have recorded an accumulated deferred federal income tax liability at current tax rates for temporary differences between the book and tax basis of assets and liabilities. In accordance with rate plans, the Utilities have recovered amounts from customers for a portion of the tax liability they will pay in the future as a result of the reversal or “turn-around” of these temporary differences. As to the remaining deferred tax liability, the Utilities had established regulatory assets for the net revenue requirements to be recovered from customers for the related future tax expense pursuant to the NYSPSC's 1993 Policy Statement approving accounting procedures consistent with accounting rules for income taxes and providing assurances that these future increases in taxes will be recoverable in rates. Upon enactment of the Tax Cuts and Jobs Act of 2017 on December 22, 2017 (the TCJA), the Companies re-measured their deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. As a result, Con Edison decreased its net deferred tax liabilities by \$5,312 million (including \$4,781 million for CECONY), recognized net income of \$259 million, decreased its regulatory asset for future income tax by \$1,250 million (including \$1,182 million for CECONY), decreased its regulatory asset for revenue taxes by \$90 million (including \$86 million for CECONY), and accrued a regulatory liability for future income tax of \$3,713 million (including \$3,513 million for CECONY). See “Other Regulatory Matters” and “Regulatory Assets and Liabilities” in Note B and Note L.

Accumulated deferred investment tax credits are amortized ratably over the lives of the related properties and applied as a reduction to future federal income tax expense.

Con Edison and its subsidiaries file a consolidated federal income tax return. The consolidated income tax liability is allocated to each member of the consolidated group using the separate return method. Each member pays or receives an amount based on its own taxable income or loss in accordance with a consolidated tax allocation agreement. Tax loss and tax credit carryforwards are allocated among members in accordance with consolidated tax return regulations.

State Income Tax

Con Edison and its subsidiaries file a combined New York State Corporation Business Franchise Tax Return. Similar to a federal consolidated income tax return, the income of all entities in the combined group is subject to New York State taxation, after adjustments for differences between federal and New York law and apportionment of income among the states in which the company does business. Each member’s share of the New York State tax is based on its own New York State taxable income or loss.

Research and Development Costs

Research and development costs are charged to operating expenses as incurred. Research and development costs were as follows:

	For the Years Ended December 31,		
(Millions of Dollars) 2017	2016	2015	
Con Edison	\$24	\$24	\$23
CECONY	23	22	22

Reclassification

Certain prior year amounts have been reclassified to conform with the current year presentation.

Earnings Per Common Share

Con Edison presents basic and diluted earnings per share on the face of its consolidated income statement. Basic earnings per share (EPS) are calculated by dividing earnings available to common shareholders (“Net income” on Con Edison’s consolidated income statement) by the weighted average number of Con Edison common shares outstanding during the period. In the calculation of diluted EPS, weighted average shares outstanding are increased for additional shares that would be outstanding if potentially dilutive securities were converted to common stock.

Potentially dilutive securities for Con Edison consist of restricted stock units and deferred stock units for which the average market price of the common shares for the period was greater than the exercise price. See Note M.

Basic and diluted EPS for Con Edison are calculated as follows:

For the Years Ended December 31,

(Millions of Dollars, except per share amounts/Shares in Millions)	2017	2016	2015
Net income	\$1,525	\$1,245	\$1,193
Weighted average common shares outstanding – basic	307.1	300.4	293.0
Add: Incremental shares attributable to effect of potentially dilutive securities	1.7	1.5	1.4
Adjusted weighted average common shares outstanding – diluted	308.8	301.9	294.4
Net Income per common share – basic	\$4.97	\$4.15	\$4.07
Net Income per common share – diluted	\$4.94	\$4.12	\$4.05

Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Changes in Accumulated Other Comprehensive Income/(Loss) by Component

Changes to accumulated other comprehensive income/(loss) (OCI) for Con Edison and CECONY are as follows:

(Millions of Dollars)	Con Edison	CECONY
Accumulated OCI, net of taxes, at December 31, 2014 (a)	\$(45)	\$(11)
OCI before reclassifications, net of tax of \$(3) for Con Edison	5	1
Amounts reclassified from accumulated OCI related to pension plan liabilities, net of tax of \$(4) and \$(1) for Con Edison and CECONY, respectively(a)(b)	6	1
Total OCI, net of taxes, at December 31, 2015	11	2
Accumulated OCI, net of taxes, at December 31, 2015 (a)	\$(34)	\$(9)
OCI before reclassifications, net of tax of \$(1) for Con Edison and CECONY	2	1
Amounts reclassified from accumulated OCI related to pension plan liabilities, net of tax of \$(3) and \$(1) for Con Edison and CECONY, respectively(a)(b)	5	1
Total OCI, net of taxes, at December 31, 2016	7	2
Accumulated OCI, net of taxes, at December 31, 2016 (a)	\$(27)	\$(7)
OCI before reclassifications, net of tax of \$3 and \$1 for Con Edison and CECONY, respectively	(4)	—
Amounts reclassified from accumulated OCI related to pension plan liabilities, net of tax of \$(3) and \$(1) for Con Edison and CECONY, respectively(a)(b)	5	1
Total OCI, net of taxes, at December 31, 2017	1	1
Accumulated OCI, net of taxes, at December 31, 2017 (a)	\$(26)	\$(6)

(a) Tax reclassified from accumulated OCI is reported in the income tax expense line item of the consolidated income statement.

(b) For the portion of unrecognized pension and other postretirement benefit costs relating to the Utilities, costs are recorded into, and amortized out of, regulatory assets instead of OCI. The net actuarial losses and prior service costs recognized during the period are included in the computation of total periodic pension and other postretirement benefit cost. See Notes E and F.

Note B – Regulatory Matters

Rate Plans

The Utilities provide service to New York customers according to the terms of tariffs approved by the NYSPSC. Tariffs for service to customers of Rockland Electric Company (RECO), O&R's New Jersey regulated utility subsidiary, are approved by the New Jersey Board of Public Utilities (NJBPU). The tariffs include schedules of rates for service that limit the rates charged by the Utilities to amounts that recover from their customers costs approved by the regulator, including capital costs, of providing service to customers as defined by the tariff. The tariffs implement rate plans adopted by state utility regulators in rate orders issued at the conclusion of rate proceedings. Pursuant to the Utilities' rate plans, there generally can be no change to the charges to customers during the respective terms of the rate plans other than specified adjustments provided for in the rate plans. The Utilities' rate plans each cover specified periods, but rates determined pursuant to a plan generally continue in effect until a new rate plan is approved by the state utility regulator.

112CON EDISON ANNUAL REPORT 2017

Common provisions of the Utilities' New York rate plans include:

Recoverable energy costs that allow the Utilities to recover on a current basis the costs for the energy they supply with no mark-up to their full-service customers.

Cost reconciliations that reconcile pension and other postretirement benefit costs, environmental remediation costs, property taxes, variable rate tax-exempt debt and certain other costs to amounts reflected in delivery rates for such costs. In addition, changes in the Utilities' costs not reflected in rates, in excess of certain amounts, resulting from changes in tax or other law, rule, regulation, order, or other requirement or interpretation are deferred as a regulatory asset or regulatory liability to be reflected in the Utilities' next rate plan or in a manner to be determined by the NYSPSC. See "Other Regulatory Matters," below. Also, the Utilities generally retain the right to petition for recovery or accounting deferral of extraordinary and material cost increases and provision is sometimes made for the utility to retain a share of cost reductions, for example, property tax refunds.

Revenue decoupling mechanisms that reconcile actual energy delivery revenues to the authorized delivery revenues approved by the NYSPSC. The difference is accrued with interest for refund to, or recovery from customers, as applicable.

Earnings sharing that require the Utilities to defer for customer benefit a portion of earnings over specified rates of return on common equity. There is no symmetric mechanism for earnings below specified rates of return on common equity.

Negative revenue adjustments for failure to meet certain performance standards relating to service, reliability, safety and other matters.

Positive revenue adjustments for achievement of performance standards related to achievement of clean energy goals, safety and other matters.

Net utility plant reconciliations that require deferral as a regulatory liability of the revenue requirement impact of the amount, if any, by which actual average net utility plant balances are less than amounts reflected in rates. There is generally no symmetric mechanism if actual average net utility plant balances are more than amounts reflected in rates.

Rate base, as reflected in the rate plans, is, in general, the sum of the Utilities' net plant, working capital and certain regulatory assets less deferred taxes and certain regulatory liabilities. For each rate plan, the NYSPSC uses a forecast of the average rate base for each year that new rates would be in effect ("rate year").

Weighted average cost of capital is determined based on the authorized common equity ratio, return on common equity, cost of long-term debt and customer deposits reflected in each rate plan. For each rate plan, the revenues designed to provide the utility a return on invested capital for each rate year are determined by multiplying each utility rate base by its pre-tax weighted average cost of capital. The Utilities' actual return on common equity will reflect their actual operations for each rate year, and may be more or less than the authorized return on equity reflected in their rate plans (and if more, may be subject to earnings sharing).

The following tables contain a summary of the Utilities' rate plans:

CON EDISON ANNUAL REPORT 2017 113

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

CECONY – Electric

Effective period	January 2014 – December 2016	January 2017 – December 2019 (b)
	Yr. 1 – \$(76.2) million (a)	Yr. 1 – \$195 million (c)
Base rate changes	Yr. 2 – \$124.0 million (a)	Yr. 2 – \$155 million (c)
	Yr. 3 – None	Yr. 3 – \$155 million (c)
Amortizations to income of net regulatory (assets) and liabilities	Yr. 1 and 2 – \$(37) million (d)	Yr. 1 – \$84 million
	Yr. 3 – \$123 million (d)	Yr. 2 – \$83 million
		Yr. 3 – \$69 million
		Retention of \$75 million of annual transmission congestion revenues.
		Potential earnings adjustment mechanism incentives for energy efficiency and other potential incentives of up to:
		Yr. 1 – \$28 million
		Yr. 2 – \$47 million
		Yr. 3 – \$64 million
Other revenue sources	Retention of \$90 million of annual transmission congestion revenues.	In 2017, the company recorded \$13 million of earnings adjustment mechanism incentives for energy efficiency. The company also achieved other incentives of \$5 million that, pursuant to the rate plan, will be recorded ratably in earnings from 2018 to 2020.
Revenue decoupling mechanisms	In 2014, 2015 and 2016, the company deferred for customer benefit \$146 million, \$98 million and \$101 million of revenues, respectively.	Continuation of reconciliation of actual to authorized electric delivery revenues.
Recoverable energy costs (e)	Current rate recovery of purchased power and fuel costs.	In 2017, the company deferred \$45 million for customer benefits.
	Potential penalties (up to \$400 million annually) if certain performance targets are not met. In 2014, the company recorded a \$5 million negative revenue adjustment. In 2015 and 2016, the company did not record any negative revenue adjustments.	Continuation of current rate recovery of purchased power and fuel costs.
Negative revenue adjustments		Potential penalties if certain performance targets relating to service, reliability, safety and other matters are not met:
		Yr. 1 – \$376 million
		Yr. 2 – \$341 million
		Yr. 3 – \$352 million
		In 2017, the company did not record any negative revenue adjustments.
Cost reconciliations	In 2014, 2015 and 2016, the company deferred \$57 million, \$26 million and \$68 million of net regulatory liabilities, respectively (f).	Continuation of reconciliation of expenses for pension and other postretirement benefits, variable-rate tax-exempt debt, major storms, property taxes (f), municipal infrastructure support costs (g), the impact of new laws and environmental site investigation and remediation to amounts reflected in rates (h).
		In 2017, the company deferred \$35 million of net regulatory assets.
Net utility plant reconciliations	Target levels reflected in rates were: Transmission and distribution:	Target levels reflected in rates: Electric average net plant target excluding

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

	Yr. 1 – \$16,869 million	advanced metering infrastructure (AMI):
	Yr. 2 – \$17,401 million	Yr. 1 – \$21,689 million
	Yr. 3 – \$17,929 million	Yr. 2 – \$22,338 million
	Storm hardening:	Yr. 3 – \$23,002 million
	Yr. 1 – \$89 million; Yr. 2 – \$177 million;	AMI:
	Yr. 3 – \$268 million	Yr. 1 – \$126 million
	Other: Yr. 1 – \$2,034 million;	Yr. 2 – \$257 million
	Yr. 2 – \$2,102 million; Yr. 3 – \$2,069	Yr. 3 – \$415 million
	million	The company deferred \$0.4 million as a regulatory
	The company deferred \$6 million and \$17	asset in 2017.
	million as a regulatory liability in 2014	
	and 2015, respectively. In 2016, \$9	
	million was deferred as a regulatory asset.	
	Yr. 1 – \$17,323 million	Yr. 1 – \$18,902 million
Average rate base	Yr. 2 – \$18,113 million	Yr. 2 – \$19,530 million
	Yr. 3 – \$18,282 million	Yr. 3 – \$20,277 million
Weighted average	Yr. 1 – 7.05 percent	Yr. 1 – 6.82 percent
cost of capital	Yr. 2 – 7.08 percent	Yr. 2 – 6.80 percent
(after-tax)	Yr. 3 – 6.91 percent	Yr. 3 – 6.73 percent
Authorized return on	Yrs. 1 and 2 – 9.2 percent	9.0 percent
common equity	Yr. 3 – 9.0 percent	
	Yr. 1 – 9.04 percent	
Actual return on	Yr. 2 – 10.16 percent	Yr. 1 – 9.3 percent
common equity	Yr. 3 – 9.66 percent	

114 CON EDISON ANNUAL REPORT 2017

Earnings sharing	<p>Most earnings above an annual earnings threshold of 9.8 percent for Yrs. 1 and 2 and 9.6 percent for Yr. 3 are to be applied to reduce regulatory assets for environmental remediation and other costs. In 2014 the company had no earnings above the threshold. Actual earnings were \$44.4 million and \$6.5 million above the threshold for 2015 and 2016, respectively.</p>	<p>Most earnings above an annual earnings threshold of 9.5 percent are to be applied to reduce regulatory assets for environmental remediation and other costs accumulated in the rate year.</p> <p>In 2017, the company had no earnings above the threshold but recorded a positive adjustment related to 2016 of \$5.7 million in earnings.</p>
Cost of long-term debt	<p>Yr. 1 – 5.17 percent Yr. 2 – 5.23 percent Yr. 3 – 5.09 percent</p>	<p>Yr. 1 – 4.93 percent Yr. 2 – 4.88 percent Yr. 3 – 4.74 percent</p>
Common equity ratio	<p>48 percent</p>	<p>48 percent</p>
(a)	<p>The impact of these base rate changes was deferred which resulted in a \$30 million regulatory liability at December 31, 2015; this amount has been amortized to \$0 at December 31, 2016.</p> <p>In January 2017, the NYSPSC approved the September 2016 Joint Proposal for CECONY's electric rate plan for January 2017 through December 2019. If at the end of any year, Con Edison's investments in its non-utility businesses exceed 15 percent of Con Edison's total consolidated revenues, assets or cash flow, or if the ratio of holding company debt to total consolidated debt rises above 20 percent, CECONY is required to notify the NYSPSC and submit a ring-fencing plan or a demonstration why additional ring-fencing measures are not necessary.</p>	
(b)	<p>The electric base rate increases are in addition to a \$48 million increase resulting from the December 2016 expiration of a temporary credit under the prior rate plan. At the NYSPSC's option, these increases are being implemented with increases of \$199 million in each rate year. Base rates reflect recovery by the company of certain costs of its energy efficiency, system peak reduction and electric vehicle programs (Yr. 1 - \$20.5 million; Yr. 2 - \$49 million; and Yr. 3 - \$107.5 million) over a ten-year period, including the overall pre-tax rate of return on such costs.</p>	
(c)	<p>Amounts reflect annual amortization of \$107 million of the regulatory asset for deferred Superstorm Sandy and other major storm costs. The costs recoverable from customers were reduced by \$4 million. The costs are no longer subject to NYSPSC staff review and the recovery of the costs is no longer subject to refund. In 2016, an additional \$123 million of net regulatory liabilities were amortized to income.</p>	
(d)	<p>For transmission service provided pursuant to the open access transmission tariff of PJM Interconnection LLC (PJM), unless and until changed by the NYSPSC, the company will recover all charges incurred associated with the transmission service. Starting in January 2014, PJM submitted to the FERC a series of requests that substantially increase the charges for the transmission service. CECONY has challenged each of these requests. To date, FERC has rejected all but one of CECONY's protests. In June 2015 and May 2016, CECONY filed appeals of certain FERC decisions with the U.S. Court of Appeals. In April 2017, the transmission service terminated because CECONY did not exercise its option to continue the service.</p>	
(e)	<p>Deferrals for property taxes are limited to 90 percent of the difference from amounts reflected in rates, subject to an annual maximum for the remaining difference of not more than a maximum number of basis points (5.0, 7.5 or 10.0 basis points, depending on the year).</p>	
(f)	<p>In general, if actual expenses for municipal infrastructure support (other than company labor) are below the amounts reflected in rates the company will defer the difference for credit to customers, and if the actual expenses are above the amount reflected in rates the company will defer for recovery from customers 80 percent of the difference subject to a maximum deferral of 30 percent of the amount reflected in rates.</p>	
(g)		
(h)		

In addition, amounts reflected in rates relating to the regulatory asset for future income tax and the excess deferred federal income tax liability are subject to reconciliation. The NYSPSC staff is to audit the regulatory asset and the tax liability. Differences resulting from the NYSPSC staff review will be deferred for NYSPSC determination of any amounts to be refunded or collected from customers. See "Other Regulatory Matters," below.

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

CECONY – Gas

Effective period	January 2014 – December 2016 Yr. 1 – \$(54.6) million (a)	January 2017 - December 2019 (b) Yr. 1 – \$(5) million (b)
Base rate changes	Yr. 2 – \$38.6 million (a) Yr. 3 – \$56.8 million (a)	Yr. 2 – \$92 million (b) Yr. 3 – \$90 million (b)
Amortizations to income of net regulatory (assets) and liabilities	\$4 million over three years	Yr. 1 – \$39 million Yr. 2 – \$37 million Yr. 3 – \$36 million
		Retention of annual revenues from non-firm customers of up to \$65 million and 15 percent of any such revenues above \$65 million.
Other revenue sources	Retention of revenues from non-firm customers of up to \$65 million and 15 percent of any such revenues above \$65 million. The company retained \$70 million, \$66 million and \$65 million of such revenues in 2014, 2015 and 2016, respectively.	Potential incentives if performance targets related to gas leak backlog, leak prone pipe and service terminations are met: Yr. 1 – \$7 million Yr. 2 – \$8 million Yr. 3 – \$8 million In 2017, the company achieved incentives of \$7 million that, pursuant to the rate plan, will be recorded ratably in earnings from 2018 to 2020.
Revenue decoupling mechanisms	In 2014, 2015 and 2016, the company deferred \$28 million, \$54 million and \$71 million of regulatory liabilities, respectively.	Continuation of reconciliation of actual to authorized gas delivery revenues. In 2017, the company deferred \$3 million of regulatory liabilities.
Recoverable energy costs	Current rate recovery of purchased gas costs.	Continuation of current rate recovery of purchased gas costs.
Negative revenue adjustments	Potential penalties (up to \$33 million in 2014, \$44 million in 2015, and \$56 million in 2016) if certain gas performance targets are not met. In 2014, 2015 and 2016, the company did not record any negative revenue adjustments.	Potential penalties if performance targets relating to service, safety and other matters are not met: Yr. 1 – \$68 million Yr. 2 – \$63 million Yr. 3 – \$70 million In 2017, the company recorded a \$5 million negative revenue adjustment.
Cost reconciliations	In 2014, 2015 and 2016, the company deferred \$38 million, \$11 million, and \$32 million of net regulatory liabilities, respectively. (c)	Continuation of reconciliation of expenses for pension and other postretirement benefits, variable-rate tax-exempt debt, major storms, property taxes, municipal infrastructure support costs, the impact of new laws and environmental site investigation and remediation to amounts reflected in rates. (d) In 2017, the company deferred \$2 million of net regulatory liabilities.
Net utility plant reconciliations	Target levels reflected in rates were: Gas delivery Yr. 1 – \$3,899 million; Yr. 2 – \$4,258 million; Yr. 3 – \$4,698 million Storm hardening: Yr. 1 – \$3 million; Yr. 2 – \$8 million; Yr. 3 – \$30 million	Target levels reflected in rates: Gas average net plant target excluding AMI: Yr. 1 – \$5,844 million Yr. 2 – \$6,512 million Yr. 3 – \$7,177 million

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

In 2015 \$1 million was deferred as a regulatory liability. In 2014 and 2016 the company deferred an immaterial amount.

AMI:

Yr. 1 – \$27 million

Yr. 2 – \$57 million

Yr. 3 – \$100 million

In 2017 \$2.2 million was deferred a regulatory liability.

Yr. 1 – \$4,841 million

Yr. 2 – \$5,395 million

Yr. 3 – \$6,005 million

Yr. 1 – 6.82 percent

Yr. 2 – 6.80 percent

Yr. 3 – 6.73 percent

Average rate base Yr. 1 – \$3,521 million
Yr. 2 – \$3,863 million
Yr. 3 – \$4,236 million

Weighted average cost of capital (after-tax) Yr. 1 – 7.10 percent
Yr. 2 – 7.13 percent
Yr. 3 – 7.21 percent

Authorized return on common equity 9.3 percent

9.0 percent

Actual return on common equity Yr. 1 – 8.02 percent
Yr. 2 – 8.13 percent
Yr. 3 – 7.83 percent

Yr. 1 – 9.22 percent

Earnings sharing Most earnings above an annual earnings threshold of 9.9 percent are to be applied to reduce regulatory assets for environmental remediation and other costs. In 2014, 2015 and 2016, the company had no earnings above the threshold.

Most earnings above an annual earnings threshold of 9.5 percent are to be applied to reduce regulatory assets for environmental remediation and other costs accumulated in the rate year.

In 2017, the company had no earnings above the threshold.

Cost of long-term debt Yr. 1 – 5.17 percent
Yr. 2 – 5.23 percent
Yr. 3 – 5.39 percent

Yr. 1 – 4.93 percent

Yr. 2 – 4.88 percent

Yr. 3 – 4.74 percent

116CON EDISON ANNUAL REPORT 2017

Common equity ratio 48 percent 48 percent

(a) The impact of these base rate changes was deferred which resulted in a \$32 million regulatory liability at December 31, 2016.

In January 2017, the NYSPSC approved the September 2016 Joint Proposal for CECONY's gas rate plan for (b) January 2017 through December 2019. The gas base rate decrease is offset by a \$41 million increase resulting from the December 2016 expiration of a temporary credit under the prior rate plan.

Deferrals for property taxes are limited to 90 percent of the difference from amounts reflected in rates, subject to an (c) annual maximum for the remaining difference of not more than a 10 basis point impact on return on common equity

(d) See footnotes (e), (f), (g) and (h) to the table under "CECONY - Electric" above.

CON EDISON ANNUAL REPORT 2017 117

CECONY – Steam	
Effective period	January 2014 – December 2016 (a) Yr. 1 – \$(22.4) million (b)
Base rate changes	Yr. 2 – \$19.8 million (b) Yr. 3 – \$20.3 million (b) Yr. 4 – None
Amortizations to income of net regulatory (assets) and liabilities	\$37 million over three years
Recoverable energy costs	Current rate recovery of purchased power and fuel costs.
Negative revenue adjustments	Potential penalties (up to \$1 million annually) if certain steam performance targets are not met. In 2014, 2015, 2016 and 2017, the company did not record any negative revenue adjustments.
Cost reconciliations (c)	In 2014, 2015, 2016 and 2017, the company deferred \$42 million of net regulatory liabilities, \$17 million of net regulatory assets, \$8 million and \$14 million of net regulatory liabilities, respectively. Target levels reflected in rates were: Production: Yr. 1 – \$1,752 million; Yr. 2 – \$1,732 million; Yr. 3 – \$1,720 million
Net utility plant reconciliations	Distribution: Yr. 1 – \$6 million; Yr. 2 – \$11 million; Yr. 3 – \$25 million The company reduced its regulatory liability by \$0.1 million in 2014 and immaterial amounts in 2015 and 2016 and no deferrals were recorded in 2017. Yr. 1 – \$1,511 million
Average rate base	Yr. 2 – \$1,547 million Yr. 3 – \$1,604 million
Weighted average cost of capital (after-tax)	Yr. 1 – 7.10 percent Yr. 2 – 7.13 percent Yr. 3 – 7.21 percent
Authorized return on common equity	9.3 percent
Actual return on common equity	Yr. 1 – 9.82 percent Yr. 2 – 10.88 percent Yr. 3 – 10.54 percent Yr. 4 – 9.51 percent
Earnings sharing	Weather normalized earnings above an annual earnings threshold of 9.9 percent are to be applied to reduce regulatory assets for environmental remediation and other costs. In 2014, the company had no earnings above the threshold. Actual earnings were \$11.5 million and \$7.8 million above the threshold in 2015 and 2016, respectively. In 2017, actual earnings were \$8.5 million above the threshold, offset in part by a positive adjustment related to 2016 of \$4 million. Yr. 1 – 5.17 percent
Cost of long-term debt	Yr. 2 – 5.23 percent Yr. 3 – 5.39 percent
Common equity ratio	48 percent
	(a) Rates determined pursuant to this rate plan continue in effect until a new rate plan is approved by the NYSPSC.
	(b)

The impact of these base rate changes was deferred which resulted in an \$8 million regulatory liability at December 31, 2016.

Deferrals for property taxes are limited to 90 percent of the difference from amounts reflected in rates, subject to an (c) annual maximum for the remaining difference of not more than a 10 basis point impact on return on common equity.

118CON EDISON ANNUAL REPORT 2017

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

O&R New York –
Electric

Effective period	July 2012 – October 2015	November 2015 - October 2017 (a)
	Yr. 1 – \$19.4 million	Yr. 1 – \$9.3 million
Base rate changes	Yr. 2 – \$8.8 million	Yr. 2 – \$8.8 million
	Yr. 3 – \$15.2 million	
Amortizations to income of net regulatory (assets) and liabilities	\$(32.2) million over three years	Yr. 1 – \$(8.5) million (b) Yr. 2 – \$(9.4) million (b)
Revenue decoupling mechanisms	In 2012, 2013 and 2014, the company deferred for the customer’s benefit \$2.6 million, \$3.2 million and \$(3.4) million, respectively.	In 2015, 2016 and 2017, the company deferred for the customer’s benefit an immaterial amount, \$6.3 million as regulatory liabilities and \$11.2 million as regulatory asset, respectively.
Recoverable energy costs	Current rate recovery of purchased power and fuel costs. Potential penalties (up to \$3 million annually) if certain customer service and system reliability performance targets are not met. In 2012, 2013 and 2014, the company did not record any negative revenue adjustments.	Continuation of current rate recovery of purchased power costs. Potential penalties (up to \$4 million annually) if certain performance targets are not met. In 2015 the company recorded \$1.25 million in negative revenue adjustments. In 2016 and 2017, the company did not record any negative revenue adjustments.
Negative revenue adjustments	In 2012, 2013 and 2014, the company deferred \$7.8 million, \$4.1 million and \$(0.2) million as a net increase/(decrease) to regulatory assets, respectively. Target levels reflected in rates were: Yr. 1 – \$678 million; Yr. 2- \$704 million; Yr. 3 – \$753 million	In 2015, 2016 and 2017, the company deferred \$0.3 million, \$7.4 million and \$3.2 million as net decreases to regulatory assets, respectively. Target levels reflected in rates are: Yr. 1 – \$928 million (c) Yr. 2 – \$970 million (c)
Cost reconciliations	The company increased its regulatory liability by \$4.2 million in 2012. The company reduced its regulatory liability by \$1.1 million and \$2.3 million in 2013 and 2014, respectively. Yr. 1 – \$671 million Yr. 2 – \$708 million Yr. 3 – \$759 million	The company increased/(reduced) its regulatory asset by \$2.2 million, \$(1.9) million and \$(1.9) million in 2015, 2016 and 2017, respectively. Yr. 1 – \$763 million Yr. 2 – \$805 million
Net utility plant reconciliations	Yr. 1 – 7.61 percent Yr. 2 – 7.65 percent Yr. 3 – 7.48 percent	Yr. 1 – 7.10 percent Yr. 2 – 7.06 percent
Average rate base	Yr. 1 – 9.4 percent Yr. 2 – 9.5 percent Yr. 3 – 9.6 percent	9.0 percent
Weighted average cost of capital (after-tax)	Yr. 1 – 12.9 percent Yr. 2 – 8.7 percent Yr. 3 – 9.4 percent	Yr. 1 – 10.8 percent Yr. 2 – 9.7 percent
Authorized return on common equity	The company recorded a regulatory liability of \$1 million for earnings above the sharing threshold under the rate plan as of	Most earnings above an annual earnings threshold of 9.6 percent are to be applied to reduce regulatory assets. In 2015, earnings did not exceed the earnings
Actual return on common equity		
Earnings sharing		

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

December 31, 2014.

threshold. Actual earnings were \$6.1 million and \$0.3 million above the threshold for 2016 and 2017, respectively.

Cost of long-term debt Yr. 1 – 6.07 percent
Yr. 2 – 6.07 percent
Yr. 3 – 5.64 percent

Yr. 1 – 5.42 percent
Yr. 2 – 5.35 percent

Common equity ratio 48 percent

48 percent

- (a) Rates determined pursuant to this rate plan continue in effect until a new rate plan is approved by the NYSPSC. \$59.3 million of the regulatory asset for deferred storm costs is to be recovered from customers over a five year period, including \$11.85 million in each of years 1 and 2, \$1 million of the regulatory asset for such costs will not be recovered from customers, and all outstanding issues related to Superstorm Sandy and other past major storms prior to November 2014 are resolved. Approximately \$4 million of regulatory assets for property tax and interest rate reconciliations will not be recovered from customers. Amounts that will not be recovered from customers were charged-off in June 2015.
- (b)

- Excludes electric AMI as to which the company will be required to defer as a regulatory liability the revenue requirement impact of the amount, if any, by which actual average net utility plant balances are less than amounts reflected in rates: \$1 million in year 1 and \$9 million in year 2.
- (c)

In January 2018, O&R filed a request with the NYSPSC for an increase in the rates it charges for electric service rendered in New York, effective January 1, 2019, of \$20.3 million. The filing reflects a return on common equity of 9.75 percent and a common equity ratio of 48 percent. The filing proposes continuation of the provisions with respect to recovery from customers of the cost of purchased power, and the reconciliation of actual expenses allocable to the electric business to the amounts for such costs reflected in electric rates for storm costs, pension and other postretirement benefit costs, environmental remediation and property taxes.

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

O&R New York – Gas

Effective period	November 2009 – October 2015	November 2015 – October 2018
	Yr. 1 – \$9 million	
	Yr. 2 – \$9 million	Yr. 1 – \$16.4 million
	Yr. 3 – \$4.6 million	Yr. 2 – \$16.4 million
Base rate changes	Yr. 3 – \$4.3 million collected through a surcharge	Yr. 3 – \$5.8 million
	Yr. 4 – None	Yr. 3 – \$10.6 million collected through a surcharge
	Yr. 5 – None	
Amortization to income of net regulatory (assets) and liabilities	\$ (2) million over three years	Yr. 1 – \$(1.7) million (a) Yr. 2 – \$(2.1) million (a) Yr. 3 – \$(2.5) million (a)
Revenue decoupling mechanisms	In 2012, 2013 and 2014, the company deferred \$4.7 million, \$0.7 million and \$(0.1) million of regulatory liabilities, respectively.	In 2015 and 2016, the company deferred \$0.8 million regulatory assets and \$6.2 million of regulatory liabilities, respectively. In 2017, the company deferred \$1.7 million in regulatory liabilities.
Recoverable energy costs	Current rate recovery of purchased gas costs.	Current rate recovery of purchased gas costs.
Negative revenue adjustments	Potential penalties (up to \$1.4 million annually) if certain operations and customer service requirements are not met. In 2012, 2013 and 2014, the company did not record any negative revenue adjustments.	Potential penalties (up to \$3.7 million in Yr. 1, \$4.7 million in Yr. 2 and \$4.9 million in Yr. 3) if certain performance targets are not met. In 2015, 2016 and 2017, the company did not record any negative revenue adjustments.
Cost reconciliations	In 2012, 2013 and 2014, the company deferred \$0.7 million, \$8.3 million and \$8.3 million as net regulatory assets, respectively.	In 2015 and 2016, the company deferred \$4.5 million and \$6.6 million as net regulatory liabilities and assets, respectively. In 2017, the company deferred \$3.5 million as net regulatory liabilities. Target levels reflected in rates are: Yr. 1 – \$492 million (b) Yr. 2 – \$518 million (b) Yr. 3 – \$546 million (b)
Net utility plant reconciliations	The company deferred \$0.7 million in 2012 as a regulatory asset and no deferrals were recorded for 2013 or 2014.	No deferral was recorded for 2015 and immaterial amounts were recorded as regulatory liabilities in 2016 and 2017.
Average rate base	Yr. 1 – \$280 million Yr. 2 – \$296 million Yr. 3 – \$309 million	Yr. 1 – \$366 million Yr. 2 – \$391 million Yr. 3 – \$417 million
Weighted average cost of capital (after-tax)	8.49 percent	Yr. 1 – 7.10 percent Yr. 2 – 7.06 percent Yr. 3 – 7.06 percent
Authorized return on common equity	10.4 percent	9.0 percent
Actual return on common equity	Yr. 1 – 10.2 percent Yr. 2 – 9.6 percent Yr. 3 – 12.6 percent Yr. 4 – 10.2 percent	Yr. 1 – 11.2 percent Yr. 2 – 9.7 percent

Yr. 5 – 6.1 percent

Earnings sharing

Earnings above an annual earnings threshold of 11.4 percent are to be applied to reduce regulatory assets. In 2012, 2013 and 2014, earnings did not exceed the earnings threshold.

Most earnings above an annual earnings threshold of 9.6 percent are to be applied to reduce regulatory assets. In 2015, earnings did not exceed the earnings threshold. Actual earnings were \$4 million and \$0.2 million above the threshold for 2016 and 2017, respectively.

Yr. 1 – 5.42 percent

Yr. 2 – 5.35 percent

Yr. 3 – 5.35 percent

48 percent

Cost of long-term debt 6.81 percent

Common equity ratio 48 percent

Reflects that the company will not recover from customers a total of approximately \$14 million of regulatory assets (a) for property tax and interest rate reconciliations. Amounts that will not be recovered from customers were charged-off in June 2015.

Excludes gas AMI as to which the company will be required to defer as a regulatory liability the revenue (b) requirement impact of the amount, if any, by which actual average net utility plant balances are less than amounts reflected in rates: \$0.5 million in year 1, \$4.2 million in year 2 and \$7.2 million in year 3.

In January 2018, O&R filed a request with the NYSPSC for an increase in the rates it charges for gas service rendered in New York, effective January 1, 2019, of \$4.5 million. The filing reflects a return on common equity of 9.75 percent and a common equity ratio of 48 percent. The filing proposes continuation of the provisions with respect to recovery from customers of the cost of purchased gas, and the reconciliation of actual expenses allocable to the gas business to the amounts for such costs reflected in gas rates for pension and other postretirement benefit costs, environmental remediation and property taxes.

RECO

Effective period	August 2014 – February 2017	March 2017 (a)
Base rate changes	Yr. 1 – \$13.0 million	Yr. 1 – \$1.7 million
Amortization to income of net regulatory (assets) and liabilities	\$0.4 million over three years and \$(25.6) million of deferred storm costs over four years	\$0.2 million over three years and continuation of \$(25.6) million of deferred storm costs over four years expiring July 31, 2018 (b)
Recoverable energy costs	Current rate recovery of purchased power costs.	Current rate recovery of purchased power costs.
Cost reconciliations	None	None
Average rate base	\$172.2 million	Yr. 1 – \$178.7 million
Weighted average cost of capital (after-tax)	7.83 percent	7.47 percent
Authorized return on common equity	9.75 percent	9.6 percent
Actual return on common equity	Yr. 1 – 9.2 percent Yr. 2 – 8.7 percent	(c)
Cost of long-term debt	5.89 percent	5.37 percent
Common equity ratio	50 percent	49.7 percent

(a) Effective until a new rate plan approved by the NJBPU goes into effect.

In January 2016, the NJBPU approved RECO's plan to spend \$15.7 million in capital over three years to harden its electric system against storms, the costs of which RECO, beginning in 2017, is collecting through a customer surcharge.

(c) Actual return on common equity for first rate year of current rate plan not determinable until March 31, 2018 end of rate year.

In November 2017, FERC approved a September 2017 settlement agreement among RECO, the New Jersey Division of Rate Counsel and the NJBPU that increases RECO's annual transmission revenue requirement from \$11.8 million to \$17.7 million, effective April 2017. The revenue requirement reflects a return on common equity of 10.0 percent.

Other Regulatory Matters

In August and November 2017, the NYSPSC issued orders in its proceeding investigating an April 21, 2017 Metropolitan Transportation Authority (MTA) subway power outage. The orders indicated that the investigation determined that the outage was caused by a failure of CECONY's electricity supply to a subway station, which led to a loss of the subway signals, and that one of the secondary services to the MTA facility had been improperly rerouted and was not properly documented by the company. The orders also indicated that the loss of power to the subway station affected multiple subway lines and caused widespread delays across the subway system. Pursuant to the orders, the company is required to take certain actions, including inspecting, repairing and installing certain electrical equipment that serves the subway system, analyzing power supply and power quality events affecting the MTA's signaling services, and filing monthly reports with the NYSPSC on all of the company's activities related to the subway system. In July 2017, the Chairman of the NYSPSC notified the company that the April 21, 2017 subway power outage incident will likely result in a prudence review of the reasonableness of CECONY's actions and conduct. The orders did not commence a prudence review. The company incurred costs related to this matter in 2017 of \$65 million. Included in this amount is \$15 million in capital and operating and maintenance costs reflected in the company's electric rate plan and \$50 million deferred as a regulatory asset pursuant to the rate plan. The company, which plans to complete the required actions in 2018, expects to incur costs related to this matter in 2018 of \$137 million. Included in this amount is \$10 million in expected capital and operating and maintenance costs reflected in the rate plan and \$127 million expected to be deferred as a regulatory asset pursuant to the rate plan.

In December 2017, the NYSPSC issued an order initiating a proceeding to study the potential effects of the TCJA on the tax expenses and liabilities of New York State utilities and the regulatory treatment to preserve the resulting benefits for customers. In January 2018, the NJBPU issued an order initiating a proceeding to consider the TCJA. Upon enactment of the TCJA, CECONY, O&R and RECO re-measured their deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. As a result, CECONY, O&R and RECO, decreased their net deferred tax liabilities by \$4,781 million, \$216 million and \$45 million, respectively, decreased their regulatory asset for future income tax by \$1,182 million, \$51 million and \$17 million, respectively, decreased their regulatory asset for revenue taxes by \$86 million, \$4 million and \$0 million, respectively, and accrued regulatory liabilities for future income tax of \$3,513 million, \$161 million and \$28 million, respectively. See Note L. In January 2018, the NYSPSC issued an order initiating a focused operations audit of the income tax accounting of certain utilities, including CECONY and O&R. See footnote (h) to the table under "CECONY – Electric," above.

CON EDISON ANNUAL REPORT 2017 121

Regulatory Assets and Liabilities

Regulatory assets and liabilities at December 31, 2017 and 2016 were comprised of the following items:

(Millions of Dollars)	Edison 2017	Con		CECONY
		2016	2017	2016
Regulatory assets				
Unrecognized pension and other postretirement costs	\$2,526	\$2,874	\$2,376	\$2,730
Future income tax*	—	2,439	—	2,325
Environmental remediation costs	793	823	677	711
Revenue taxes	260	295	248	280
Pension and other postretirement benefits deferrals	79	38	58	7
Recoverable energy costs	60	42	52	38
Municipal infrastructure support costs	56	44	56	44
Property tax reconciliation	51	37	25	—
MTA power reliability deferral	50	—	50	—
Deferred derivative losses	44	48	37	42
Deferred storm costs	38	56	—	3
Brooklyn Queens demand management program	37	29	37	29
Unamortized loss on reacquired debt	37	43	35	41
Indian Point Energy Center program costs	29	50	29	50
Preferred stock redemption	24	25	24	25
Workers' compensation	10	13	10	13
Net electric deferrals	9	24	9	24
O&R transition bond charges	9	15	—	—
Surcharge for New York State assessment	2	28	2	26
Other	152	101	138	85
Regulatory assets – noncurrent	4,266	7,024	3,863	6,473
Deferred derivative losses	40	91	37	86
Recoverable energy costs	27	9	25	4
Regulatory assets – current	67	100	62	90
Total Regulatory Assets	\$4,333	\$7,124	\$3,925	\$6,563
Regulatory liabilities				
Future income tax*	\$2,545	\$—	\$2,390	\$—
Allowance for cost of removal less salvage	846	755	719	641
Pension and other postretirement benefit deferrals	207	193	181	162
Net unbilled revenue deferrals	183	145	183	145
Energy efficiency portfolio standard unencumbered funds	127	—	122	—
Property tax reconciliation	107	178	107	178
Unrecognized other postretirement costs	92	60	92	60
Settlement of prudence proceeding	66	95	66	95
Property tax refunds	44	1	44	1
Carrying charges on repair allowance and bonus depreciation	43	68	42	67
New York State income tax rate change	36	61	35	60
Variable-rate tax-exempt debt - cost rate reconciliation	30	55	26	48
Earnings sharing - electric, gas and steam	29	39	19	28
Settlement of gas proceedings	27	27	27	27
Base rate change deferrals	21	40	21	40
Net utility plant reconciliations	12	16	8	15
Other	162	172	137	145

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Regulatory liabilities – noncurrent	4,577	1,905	4,219	1,712
Refundable energy costs	41	29	16	5
Deferred derivative gains	31	28	28	24
Revenue decoupling mechanism	29	71	21	61
Regulatory liabilities—current	101	128	65	90
Total Regulatory Liabilities	\$4,678	\$2,033	\$4,284	\$1,802

* See "Federal Income Tax" in Note A, "Other Regulatory Matters," above, and Note L.

122CON EDISON ANNUAL REPORT 2017

Unrecognized pension and other postretirement costs represent the net regulatory asset associated with the accounting rules for retirement benefits. See Note A.

Revenue taxes represent the timing difference between taxes collected and paid by the Utilities to fund mass transportation.

Deferred storm costs represent response and restoration costs, other than capital expenditures, in connection with Superstorm Sandy and other major storms that were deferred by the Utilities.

Net electric deferrals represent the remaining unamortized balance of certain regulatory assets and liabilities of CECONY that were combined effective April 1, 2010 and are being amortized to income through March 31, 2018.

Settlement of prudence proceeding represents the remaining amount to be credited to customers pursuant to a Joint Proposal, approved by the NYSPSC in April 2016, with respect to the prudence of certain CECONY expenditures and related matters.

Settlement of gas proceedings represents the amount to be credited to customers pursuant to a settlement agreement approved by the NYSPSC in February 2017 related to CECONY's practices of qualifying persons to perform plastic fusions on gas facilities and alleged violations of gas safety violations identified by the NYSPSC staff in its investigation of a March 2014 Manhattan explosion and fire (see Note H).

The NYSPSC has authorized CECONY to accrue unbilled electric, gas and steam revenues. CECONY has deferred the net margin on the unbilled revenues for the future benefit of customers by recording a regulatory liability of \$183 million and \$145 million at December 31, 2017 and 2016, respectively, for the difference between the unbilled revenues and energy cost liabilities.

Note C – Capitalization

Common Stock

At December 31, 2017 and 2016, Con Edison owned all of the issued and outstanding shares of common stock of the Utilities, the Clean Energy Businesses and Con Edison Transmission. CECONY owns 21,976,200 shares of Con Edison stock, which it purchased prior to 2001 in connection with Con Edison's stock repurchase plan. CECONY presents in the financial statements the cost of the Con Edison stock it owns as a reduction of common shareholder's equity.

Capitalization of Con Edison

The outstanding capitalization for each of the Companies is shown on its Consolidated Statement of Capitalization, and for Con Edison includes outstanding debt of the Utilities and the Clean Energy Businesses.

Dividends

In accordance with NYSPSC requirements, the dividends that the Utilities generally pay are limited to not more than 100 percent of their respective income available for dividends calculated on a two-year rolling average basis. Excluded from the calculation of "income available for dividends" are non-cash charges to income resulting from accounting changes or charges to income resulting from significant unanticipated events. The restriction also does not apply to dividends paid in order to transfer to Con Edison proceeds from major transactions, such as asset sales, or to dividends reducing each utility subsidiary's equity ratio to a level appropriate to its business risk.

Long-term Debt

Long-term debt maturing in the period 2018-2022 is as follows:

(Millions of Dollars) Con Edison CECONY

2018	\$1,298	\$1,200
2019	578	475
2020	791	350
2021	544	—
2022	335	—

CECONY has issued \$450 million of tax-exempt debt through the New York State Energy Research and Development Authority (NYSERDA) that currently bear interest at a rate determined weekly and is subject to tender by bondholders for purchase by the company.

The carrying amounts and fair values of long-term debt at December 31, 2017 and 2016 are:

(Millions of Dollars)	2017		2016	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Long-Term Debt (including current portion) (a)				
Con Edison	\$16,029	\$18,147	\$14,774	\$16,093
CECONY	\$13,265	\$15,163	\$12,073	\$13,268

Amounts shown are net of unamortized debt expense and unamortized debt discount of \$142 million and \$121 (a) million for Con Edison and CECONY, respectively, as of December 31, 2017 and \$134 million and \$113 million for Con Edison and CECONY, respectively, as of December 31, 2016.

Fair values of long-term debt have been estimated primarily using available market information. For Con Edison, \$17,511 million and \$636 million of the fair value of long-term debt at December 31, 2017 are classified as Level 2 and Level 3, respectively. For CECONY, \$14,527 million and \$636 million of the fair value of long-term debt at December 31, 2017 are classified as Level 2 and Level 3, respectively (see Note P). The \$636 million of long-term debt classified as Level 3 is CECONY's tax-exempt, auction-rate securities for which the market is highly illiquid and there is a lack of observable inputs.

At December 31, 2017 and 2016, long-term debt of Con Edison included \$915 million and \$845 million, respectively, of non-recourse debt secured by the pledge of the applicable renewable energy production projects of the Clean Energy Businesses. At December 31, 2017 and 2016, long-term debt of Con Edison included \$7 million and \$11 million, respectively, of Transition Bonds issued in 2004 by O&R's New Jersey utility subsidiary through a special purpose entity.

Significant Debt Covenants

The significant debt covenants under the financing arrangements for the Companies' debentures and Con Edison's notes include obligations to pay principal and interest when due and covenants not to consolidate with or merge into any other corporation unless certain conditions are met. In addition, Con Edison's notes include covenants that the company shall continue its utility business in New York City and shall not permit its ratio of consolidated debt to consolidated capital to exceed 0.675 to 1 and include cross default provisions with respect to other indebtedness of the company or its material subsidiaries having a then outstanding principal balance in excess of \$100 million. The Companies' debentures have no cross default provisions. The tax-exempt financing arrangements of CECONY are subject to covenants for the debentures discussed above and the covenants discussed below. The Companies were in compliance with their significant debt covenants at December 31, 2017.

The tax-exempt financing arrangements involved the issuance of uncollateralized promissory notes of CECONY to NYSERDA in exchange for the net proceeds of a like amount of tax-exempt bonds with substantially the same terms sold to the public by NYSERDA. The tax-exempt financing arrangements include covenants with respect to the tax-exempt status of the financing, including covenants with respect to the use of the facilities financed. The arrangements include provisions for the maintenance of liquidity and credit facilities, the failure to comply with which would, except as otherwise provided, constitute an event of default for the debt to which such provisions applied. The failure to comply with debt covenants would, except as otherwise provided, constitute an event of default for the debt to which such provisions applied. If an event of default were to occur, the principal and accrued interest on the debt to which such event of default applied and, in the case of the Con Edison notes, a make-whole premium might and, in the case of certain events of default would, become due and payable immediately.

The liquidity and credit facilities currently in effect for the tax-exempt financing include covenants that the ratio of debt to total capital of CECONY will not at any time exceed 0.65 to 1 and that, subject to certain exceptions, CECONY will not mortgage, lien, pledge or otherwise encumber its assets. Certain of the facilities also include as events of default, defaults in payments of other debt obligations in excess of specified levels (\$150 million or \$100 million, depending on the facility).

Note D – Short-Term Borrowing

In December 2016, Con Edison and the Utilities entered into a credit agreement (Credit Agreement), under which banks are committed to provide loans and letters of credit on a revolving credit basis. The Credit Agreement expires in December 2022. There is a maximum of \$2,250 million of credit available. The full amount is available to CECONY and \$1,000 million (subject to increase up to \$1,500 million) is available to Con Edison, including up to \$1,200 million of letters of credit. The Credit Agreement supports the Companies' commercial paper programs. The Companies have not borrowed under the Credit Agreement. At December 31, 2017, Con Edison had \$577 million of commercial paper outstanding, of which \$150 million was outstanding under CECONY's program. The weighted average interest rate at December 31, 2017 was 1.8 percent for both Con Edison and CECONY. At December 31, 2016, Con Edison had \$1,054 million of commercial paper outstanding of which \$600 million was outstanding under CECONY's program. The weighted average interest rate at December 31, 2016 was 1.0 percent for both Con Edison and CECONY.

At December 31, 2017 and 2016, no loans were outstanding under the credit agreement (Credit Agreement). An immaterial amount and \$2 million (including \$2 million for CECONY) of letters of credit were outstanding under the Credit Agreement as of December 31, 2017 and 2016, respectively.

The banks' commitments under the Credit Agreement are subject to certain conditions, including that there be no event of default. The commitments are not subject to maintenance of credit rating levels or the absence of a material adverse change. Upon a change of control of, or upon an event of default by one of the Companies, the banks may terminate their commitments with respect to that company, declare any amounts owed by that company under the Credit Agreement immediately due and payable and require that company to provide cash collateral relating to the letters of credit issued for it under the Credit Agreement. Events of default include the exceeding at any time of a ratio of consolidated debt to consolidated total capital of 0.65 to 1 (at December 31, 2017 this ratio was 0.51 to 1 for Con Edison and 0.52 to 1 for CECONY); having liens on its assets in an aggregate amount exceeding five percent of its consolidated total capital, subject to certain exceptions; and the failure, following any applicable notice period, to meet certain other customary covenants. Interest and fees charged for the revolving credit facilities and any loans made or letters of credit issued under the Credit Agreement reflect the Companies' respective credit ratings. The Companies were in compliance with their covenants at December 31, 2017.

See Note S for information about short-term borrowing between related parties.

Note E – Pension Benefits

Con Edison maintains a tax-qualified, non-contributory pension plan that covers substantially all employees of CECONY, O&R, Con Edison Transmission and certain employees of the Clean Energy Businesses. The plan is designed to comply with the Internal Revenue Code and the Employee Retirement Income Security Act of 1974. In addition, Con Edison maintains additional non-qualified supplemental pension plans.

Total Periodic Benefit Cost

The components of the Companies' total periodic benefit costs for 2017, 2016 and 2015 were as follows:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
Service cost – including administrative expenses	\$263	\$275	\$297	\$246	\$258	\$279
Interest cost on projected benefit obligation	591	596	575	554	559	538
Expected return on plan assets	(968)	(947)	(886)	(917)	(898)	(840)
Recognition of net actuarial loss	595	596	775	563	565	734
Recognition of prior service costs	(17)	4	4	(19)	2	2
NET PERIODIC BENEFIT COST	\$464	\$524	\$765	\$427	\$486	\$713
Amortization of regulatory asset (a)	—	—	1	—	—	1
TOTAL PERIODIC BENEFIT COST	\$464	\$524	\$766	\$427	\$486	\$714
Cost capitalized	(181)	(214)	(301)	(169)	(203)	(285)
Reconciliation to rate level	(34)	54	(74)	(41)	58	(74)
Cost charged to operating expenses	\$249	\$364	\$391	\$217	\$341	\$355

(a) Relates to an increase in CECONY's pension obligation of \$45 million from a 1999 special retirement program.

CON EDISON ANNUAL REPORT 2017 125

Funded Status

The funded status at December 31, 2017, 2016 and 2015 was as follows:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
CHANGE IN PROJECTED BENEFIT OBLIGATION						
Projected benefit obligation at beginning of year	\$14,095	\$14,377	\$15,081	\$13,203	\$13,482	\$14,137
Service cost – excluding administrative expenses	259	271	293	241	254	274
Interest cost on projected benefit obligation	591	596	575	554	559	538
Net actuarial loss/(gain)	1,231	(302)	(996)	1,171	(282)	(931)
Plan amendments	6	(256)	—	—	(259)	—
Benefits paid	(646)	(591)	(576)	(602)	(551)	(536)
PROJECTED BENEFIT OBLIGATION AT END OF YEAR	\$15,536	\$14,095	\$14,377	\$14,566	\$13,203	\$13,482
CHANGE IN PLAN ASSETS						
Fair value of plan assets at beginning of year	\$12,472	\$11,759	\$11,495	\$11,811	\$11,141	\$10,897
Actual return on plan assets	2,041	829	126	1,937	787	118
Employer contributions	450	508	750	412	469	697
Benefits paid	(646)	(591)	(576)	(602)	(551)	(536)
Administrative expenses	(43)	(33)	(36)	(41)	(31)	(35)
FAIR VALUE OF PLAN ASSETS AT END OF YEAR	\$14,274	\$12,472	\$11,759	\$13,581	\$11,815	\$11,141
FUNDED STATUS						
Unrecognized net loss	\$(1,262)	\$(1,623)	\$(2,618)	\$(1,088)	\$(1,388)	\$(2,341)
Unrecognized prior service costs	\$2,760	\$3,157	\$3,909	\$2,624	\$2,995	\$3,704
Accumulated benefit obligation	(223)	(244)	16	(242)	(258)	3
	13,897	12,655	12,909	12,971	11,806	12,055

The increase in the pension plan's fair value of plan assets was the primary cause of the decreased pension liability at Con Edison and CECONY of \$361 million and \$340 million, respectively, compared with December 31, 2016. For Con Edison, this decrease in pension liability corresponds with a decrease to regulatory assets of \$368 million for unrecognized net losses and unrecognized prior service costs associated with the Utilities consistent with the accounting rules for regulated operations, a credit to OCI of \$4 million (net of taxes) for the unrecognized net losses, and an immaterial change to OCI (net of taxes) for the unrecognized prior service costs associated with the Clean Energy Businesses, Con Edison Transmission, and RECO.

For CECONY, the decrease in pension liability corresponds with a decrease to regulatory assets of \$353 million for unrecognized net losses and unrecognized prior service costs consistent with the accounting rules for regulated operations, a credit to OCI of \$1 million (net of taxes) for unrecognized net losses, and an immaterial change to OCI (net of taxes) for the unrecognized prior service costs associated with the Clean Energy Businesses and Con Edison Transmission.

A portion of the unrecognized net loss and prior service cost for the pension plan, equal to \$689 million and \$(17) million, respectively, will be recognized from accumulated OCI and the regulatory asset into net periodic benefit cost over the next year for Con Edison. Included in these amounts are \$654 million and \$(19) million, respectively, for CECONY.

At December 31, 2017 and 2016, Con Edison's investments include \$330 million and \$273 million, respectively, held in external trust accounts for benefit payments pursuant to the supplemental retirement plans. Included in these amounts for CECONY were \$301 million and \$246 million, respectively. See Note P. The accumulated benefit obligations for the supplemental retirement plans for Con Edison and CECONY were \$331 million and \$297 million as of December 31, 2017 and \$303 million and \$268 million as of December 31, 2016, respectively.

Assumptions

The actuarial assumptions were as follows:

	2017	2016	2015
Weighted-average assumptions used to determine benefit obligations at December 31:			
Discount rate	3.70 %	4.25 %	4.25 %
Rate of compensation increase			
CECONY	4.25 %	4.25 %	4.25 %
O&R	4.00 %	4.00 %	4.00 %
Weighted-average assumptions used to determine net periodic benefit cost for the years ended December 31:			
Discount rate	4.25 %	4.25 %	3.90 %
Expected return on plan assets	7.50 %	7.80 %	7.80 %
Rate of compensation increase			
CECONY	4.25 %	4.25 %	4.25 %
O&R	4.00 %	4.00 %	4.00 %

The expected return assumption reflects anticipated returns on the plan's current and future assets. The Companies' expected return was based on an evaluation of the current environment, market and economic outlook, relationships between the economy and asset class performance patterns, and recent and long-term trends in asset class performance. The projections were based on the plan's target asset allocation.

Discount Rate Assumption

To determine the assumed discount rate, the Companies use a model that produces a yield curve based on yields on selected highly rated (Aa or higher by either Moody's or Standard & Poor's) corporate bonds. Bonds with insufficient liquidity, bonds with questionable pricing information and bonds that are not representative of the overall market are excluded from consideration. For example, the bonds used in the model cannot be callable (with the exception of "make whole" callable bonds), and the amount of the bond issue outstanding must be in excess of \$50 million. The spot rates defined by the yield curve and the plan's projected benefit payments are used to develop a weighted average discount rate.

Expected Benefit Payments

Based on current assumptions, the Companies expect to make the following benefit payments over the next ten years:

(Millions of Dollars) 2018 2019 2020 2021 2022 2023-2027

Con Edison \$728 \$738 \$753 \$765 \$778 \$4,083

CECONY 677 686 700 712 724 3,804

Expected Contributions

Based on estimates as of December 31, 2017, the Companies expect to make contributions to the pension plans during 2018 of \$473 million (of which \$435 million is to be contributed by CECONY). The Companies' policy is to fund the total periodic benefit cost of the qualified plan to the extent tax deductible and to also contribute to the non-qualified supplemental plans.

Plan Assets

The asset allocations for the pension plan at the end of 2017, 2016 and 2015, and the target allocation for 2018 are as follows:

Asset Category	Target	Plan Assets at December 31,					
	Allocation Range	2017	2016		2015		
Equity Securities	53% - 63%	58	%	58	%	57	%
Debt Securities	28% - 38%	33	%	33	%	33	%
Real Estate	7% -11%	9	%	9	%	10	%
Total	100%	100	%	100	%	100	%

Con Edison has established a pension trust for the investment of assets to be used for the exclusive purpose of providing retirement benefits to participants and beneficiaries and payment of plan expenses.

Pursuant to resolutions adopted by Con Edison's Board of Directors, the Management Development and Compensation Committee of the Board of Directors (the Committee) has general oversight responsibility for Con Edison's pension and other employee benefit plans. The pension plan's named fiduciaries have been granted the authority to control and manage the operation and administration of the plans, including overall responsibility for the investment of assets in the trust and the power to appoint and terminate investment managers.

The investment objectives of the Con Edison pension plan are to maintain a level and form of assets adequate to meet benefit obligations to participants, to achieve the expected long-term total return on the trust assets within a prudent level of risk and maintain a level of volatility that is not expected to have a material impact on the company's expected contribution and expense or the company's ability to meet plan obligations. The assets of the plan have no significant concentration of risk in one country (other than the United States), industry or entity.

The strategic asset allocation is intended to meet the objectives of the pension plan by diversifying its funds across asset classes, investment styles and fund managers. An asset/liability study typically is conducted every few years to determine whether the current strategic asset allocation continues to represent the appropriate balance of expected risk and reward for the plan to meet expected liabilities. Each study considers the investment risk of the asset allocation and determines the optimal asset allocation for the plan. The target asset allocation for 2018 reflects the results of such a study conducted in 2016.

Individual fund managers operate under written guidelines provided by Con Edison, which cover such areas as investment objectives, performance measurement, permissible investments, investment restrictions, trading and execution, and communication and reporting requirements. Con Edison management regularly monitors, and the named fiduciaries review and report to the Committee regarding, asset class performance, total fund performance, and compliance with asset allocation guidelines. Management changes fund managers and rebalances the portfolio as appropriate. At the direction of the named fiduciaries, such changes are reported to the Committee.

Assets measured at fair value on a recurring basis are summarized below as defined by the accounting rules for fair value measurements (see Note P).

The fair values of the pension plan assets at December 31, 2017 by asset category are as follows:

(Millions of Dollars)	Level 1	Level 2	Total
Investments within the fair value hierarchy			
U.S. Equity (a)	\$3,872	\$28	\$3,900
International Equity (b)	4,132	—	4,132
U.S. Government Issued Debt (c)	—	1,786	1,786
Corporate Bonds Debt (d)	—	2,450	2,450
Structured Assets Debt (e)	—	3	3
Other Fixed Income Debt (f)	—	125	125
Cash and Cash Equivalents (g)	124	352	476
Futures (h)	308	—	308
Total investments within the fair value hierarchy	\$8,436	\$4,744	\$13,180
Investments measured at NAV per share (n)			
Private Equity (i)			336
Real Estate (j)			1,214
Hedge Funds (k)			251
Total investments valued using NAV per share			\$1,801
Funds for retiree health benefits (l)	(168)	(94)	(262)
Funds for retiree health benefits measured at NAV per share (l)(n)			(36)
Total funds for retiree health benefits			\$(298)
Investments (excluding funds for retiree health benefits)	\$8,268	\$4,650	\$14,683
Pending activities (m)			(409)
Total fair value of plan net assets			\$14,274

(a) U.S. Equity includes both actively- and passively-managed assets with investments in domestic equity index funds and actively-managed small-capitalization equities.

(b) International Equity includes international equity index funds and actively-managed international equities.

(c) U.S. Government Issued Debt includes agency and treasury securities.

(d) Corporate Bonds Debt consists of debt issued by various corporations.

(e) Structured Assets Debt includes commercial-mortgage-backed securities and collateralized mortgage obligations.

(f) Other Fixed Income Debt includes municipal bonds, sovereign debt and regional governments.

(g) Cash and Cash Equivalents include short term investments, money markets, foreign currency and cash collateral.

(h) Futures consist of exchange-traded financial contracts encompassing U.S. Equity, International Equity and U.S. Government indices.

(i) Private Equity consists of global equity funds that are not exchange-traded.

(j) Real Estate investments include real estate funds based on appraised values that are broadly diversified by geography and property type.

(k) Hedge Funds are within a commingled structure which invests in various hedge fund managers who can invest in all financial instruments.

(l) The Companies set aside funds for retiree health benefits through a separate account within the pension trust, as permitted under Section 401(h) of the Internal Revenue Code of 1986, as amended. In accordance with the Code, the plan's investments in the 401(h) account may not be used for, or diverted to, any purpose other than providing health benefits for retirees. The net assets held in the 401(h) account are calculated based on a pro-rata percentage allocation of the net assets in the pension plan. The related obligations for health benefits are not included in the pension plan's obligations and are included in the Companies' other postretirement benefit obligation. See Note F.

(m) Pending activities include security purchases and sales that have not settled, interest and dividends that have not been received and reflects adjustments for available estimates at year end.

(n) In accordance with ASU 2015-07, Fair Value Measurements (Topic 820): Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or its equivalent), certain investments that are measured at fair

value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy.

The fair values of the pension plan assets at December 31, 2016 by asset category are as follows:

(Millions of Dollars)	Level 1	Level 2	Total
Investments within the fair value hierarchy			
U.S. Equity (a)	\$3,466	\$—	\$3,466
International Equity (b)	3,187	371	3,558
U.S. Government Issued Debt (c)	—	1,337	1,337
Corporate Bonds Debt (d)	—	2,140	2,140
Structured Assets Debt (e)	—	1	1
Other Fixed Income Debt (f)	—	200	200
Cash and Cash Equivalents (g)	147	389	536
Futures (h)	296	68	364
Total investments within the fair value hierarchy	\$7,096	\$4,506	\$11,602
Investments measured at NAV per share (n)			
Private Equity (i)			247
Real Estate (j)			1,139
Hedge Funds (k)			229
Total investments valued using NAV per share			\$1,615
Funds for retiree health benefits (l)	(165)	(105)	(270)
Funds for retiree health benefits measured at NAV per share (l)(n)			(37)
Total funds for retiree health benefits			\$(307)
Investments (excluding funds for retiree health benefits)	\$6,931	\$4,401	\$12,910
Pending activities (m)			(438)
Total fair value of plan net assets			\$12,472

(a) - (n) Reference is made to footnotes (a) through (n) in the above table of pension plan assets at December 31, 2017 by asset category.

The Companies also offer a defined contribution savings plan that covers substantially all employees and made contributions to the plan as follows:

(Millions of Dollars)	For the Years Ended December 31,		
	2017	2016	2015
Con Edison	\$40	\$36	\$34
CECONY	35	32	29

Note F – Other Postretirement Benefits

The Utilities and Con Edison Transmission currently have contributory comprehensive hospital, medical and prescription drug programs for eligible retirees, their dependents and surviving spouses.

CECONY also has a contributory life insurance program for bargaining unit employees and provides basic life insurance benefits up to a specified maximum at no cost to certain retired management employees. O&R has a non-contributory life insurance program for retirees. Certain employees of the Clean Energy Businesses and Con Edison Transmission are eligible to receive benefits under these programs.

Total Periodic Benefit Cost

The components of the Companies' total periodic postretirement benefit costs for 2017, 2016 and 2015 were as follows:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
Service cost	\$20	\$18	\$20	\$13	\$13	\$15
Interest cost on accumulated other postretirement benefit obligation	46	48	51	38	40	43
Expected return on plan assets	(69)	(77)	(78)	(61)	(67)	(68)
Recognition of net actuarial loss	2	5	31	(3)	3	28
Recognition of prior service cost	(17)	(20)	(20)	(11)	(14)	(14)
TOTAL PERIODIC POSTRETIREMENT BENEFIT COST	\$(18)	\$(26)	\$4	\$(24)	\$(25)	\$4
Cost capitalized	8	11	(2)	10	10	(2)
Reconciliation to rate level	(4)	22	14	(2)	22	6
Cost charged to operating expenses	\$(14)	\$7	\$16	\$(16)	\$7	\$8

Funded Status

The funded status of the programs at December 31, 2017, 2016 and 2015 were as follows:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
CHANGE IN BENEFIT OBLIGATION						
Benefit obligation at beginning of year	\$1,198	\$1,287	\$1,411	\$1,007	\$1,093	\$1,203
Service cost	20	18	20	13	13	15
Interest cost on accumulated postretirement benefit obligation	46	48	51	38	40	43
Amendments	—	—	—	—	—	—
Net actuarial loss/(gain)	53	(57)	(103)	16	(52)	(85)
Benefits paid and administrative expenses	(134)	(134)	(127)	(124)	(122)	(117)
Participant contributions	36	36	35	35	35	34
BENEFIT OBLIGATION AT END OF YEAR	\$1,219	\$1,198	\$1,287	\$985	\$1,007	\$1,093
CHANGE IN PLAN ASSETS						
Fair value of plan assets at beginning of year	\$975	\$994	\$1,084	\$851	\$870	\$950
Actual return on plan assets	150	60	(6)	130	52	(4)
Employer contributions	17	7	6	8	7	6
EGWP payments	34	35	28	30	33	26
Participant contributions	35	36	35	35	35	34
Benefits paid	(172)	(157)	(153)	(161)	(146)	(142)
FAIR VALUE OF PLAN ASSETS AT END OF YEAR	\$1,039	\$975	\$994	\$893	\$851	\$870
FUNDED STATUS	\$(180)	\$(223)	\$(293)	\$(92)	\$(156)	\$(223)
Unrecognized net loss/(gain)	\$(47)	\$(24)	\$28	\$(85)	\$(42)	\$4
Unrecognized prior service costs	(14)	(31)	(51)	(7)	(18)	(32)

The increase in the fair value of plan assets was the primary cause of the decreased liability for other postretirement benefits at Con Edison and CECONY of \$43 million and \$64 million, respectively, compared with December 31, 2016. For Con Edison, this decreased liability corresponds with an increase to regulatory liabilities of \$11 million for unrecognized net losses and unrecognized prior service costs associated with the Utilities consistent with the accounting rules for regulated operations, a debit to OCI of \$3 million (net of taxes) for the unrecognized net losses and an immaterial change to OCI (net of taxes) for the unrecognized prior service costs associated with the Clean Energy Businesses, Con Edison Transmission, and RECO.

For CECONY, the decrease in liability corresponds with an increase to regulatory liabilities of \$32 million for unrecognized net losses and unrecognized prior service costs associated with the company consistent with the accounting rules for regulated operations, and an immaterial change to OCI (net of taxes) for the unrecognized net losses and unrecognized prior service costs associated with the Clean Energy Businesses and Con Edison Transmission.

A portion of the unrecognized net losses and prior service costs for the other postretirement benefits, equal to \$8 million and \$(6) million, respectively, will be recognized from accumulated OCI and the regulatory asset into net periodic benefit cost over the next year for Con Edison. Included in these amounts are \$1 million and \$(2) million, respectively, for CECONY.

Assumptions

The actuarial assumptions were as follows:

	2017	2016	2015
Weighted-average assumptions used to determine benefit obligations at December 31:			
Discount Rate			
CECONY	3.55 %	4.00 %	4.05 %
O&R	3.70 %	4.20 %	4.20 %
Weighted-average assumptions used to determine net periodic benefit cost for the years ended December 31:			
Discount Rate			
CECONY	4.00 %	4.05 %	3.75 %
O&R	4.20 %	4.20 %	3.85 %
Expected Return on Plan Assets	7.50 %	7.00 %	7.75 %

Refer to Note E for descriptions of the basis for determining the expected return on assets, investment policies and strategies and the assumed discount rate.

The health care cost trend rate used to determine net periodic benefit cost for the year ended December 31, 2017 was 5.80 percent, which is assumed to decrease gradually to 4.50 percent by 2024 and remain at that level thereafter. The health care cost trend rate used to determine benefit obligations as of December 31, 2017 was 5.60 percent, which is assumed to decrease gradually to 4.50 percent by 2024 and remain at that level thereafter.

A one-percentage point change in the assumed health care cost trend rate would have the following effects at December 31, 2017:

(Millions of Dollars)	Con Edison		CECONY	
	Increase	Decrease	Increase	Decrease
Effect on accumulated other postretirement benefit obligation	\$13	\$11	\$(20)	\$35
Effect on service cost and interest cost components for 2017	2	—	(1)	1

Expected Benefit Payments

Based on current assumptions, the Companies expect to make the following benefit payments over the next ten years, net of receipt of governmental subsidies:

(Millions of Dollars)	2018	2019	2020	2021	2022	2023-2027
Con Edison	\$83	\$81	\$78	\$76	\$75	\$363
CECONY	73	70	67	65	64	303

Expected Contributions

Based on estimates as of December 31, 2017, Con Edison and CECONY expect to make a contribution of \$7 million (substantially all of which is to be contributed by CECONY) to the other postretirement benefit plans in 2018. The Companies' policy is to fund the total periodic benefit cost of the plans to the extent tax deductible.

Plan Assets

The asset allocations for CECONY's other postretirement benefit plans at the end of 2017, 2016 and 2015, and the target allocation for 2018 are as follows:

Asset Category	Target Allocation Range	Plan Assets at		
		December 31,		
	2018	2017	2016	2015
Equity Securities	50%-80%	60 %	60 %	59 %
Debt Securities	20%-50%	40 %	40 %	41 %
Total	100%	100 %	100 %	100 %

Con Edison has established postretirement health and life insurance benefit plan trusts for the investment of assets to be used for the exclusive purpose of providing other postretirement benefits to participants and beneficiaries.

Refer to Note E for a discussion of Con Edison's investment policy for its benefit plans.

The fair values of the plan assets at December 31, 2017 by asset category as defined by the accounting rules for fair value measurements (see Note P) are as follows:

(Millions of Dollars)	Level 1	Level 2	Total
Equity (a)	\$—	\$420	\$420
Other Fixed Income Debt (b)	—	286	286
Cash and Cash Equivalents (c)	—	16	16
Total investments	\$—	\$722	\$722
Funds for retiree health benefits (d)	168	94	262
Investments (including funds for retiree health benefits)	\$168	\$816	\$984
Funds for retiree health benefits measured at net asset value (d)(e)			36
Pending activities (f)			19
Total fair value of plan net assets			\$1,039

(a) Equity includes a passively managed commingled index fund benchmarked to the MSCI All Country World Index.

(b) Other Fixed Income Debt includes a passively managed commingled index fund benchmarked to the Barclays Capital Aggregate Index.

(c) Cash and Cash Equivalents include short term investments and money markets.

(d) The Companies set aside funds for retiree health benefits through a separate account within the pension trust, as permitted under Section 401(h) of the Internal Revenue Code of 1986, as amended. In accordance with the Code, the plan's investments in the 401(h) account may not be used for, or diverted to, any purpose other than providing health benefits for retirees. The net assets held in the 401(h) account are calculated based on a pro-rata percentage allocation of the net assets in the pension plan. The related obligations for health benefits are not included in the pension plan's obligations and are included in the Companies' other postretirement benefit obligation. See Note E.

(e) In accordance with ASU 2015-07, Fair Value Measurements (Topic 820): Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or its equivalent), certain investments that are measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy.

(f) Pending activities include security purchases and sales that have not settled, interest and dividends that have not been received, and reflects adjustments for available estimates at year end.

The fair values of the plan assets at December 31, 2016 by asset category (see Note P) are as follows:

(Millions of Dollars)	Level 1	Level 2	Total
Equity (a)	\$—	\$391	\$391
Other Fixed Income Debt (b)	—	250	250
Cash and Cash Equivalents (c)	—	13	13
Total investments	\$—	\$654	\$654
Funds for retiree health benefits (d)	165	105	270
Investments (including funds for retiree health benefits)	\$165	\$759	\$924
Funds for retiree health benefits measured at net asset value (d)(e)			37
Pending activities (f)			14
Total fair value of plan net assets			\$975

(a) - (f) Reference is made to footnotes (a) through (f) in the above table of other postretirement benefit plan assets at December 31, 2017 by asset category.

Note G – Environmental Matters

Superfund Sites

Hazardous substances, such as asbestos, polychlorinated biphenyls (PCBs) and coal tar, have been used or generated in the course of operations of the Utilities and their predecessors and are present at sites and in facilities and equipment they currently or previously owned, including sites at which gas was manufactured or stored.

The Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980 and similar state statutes (Superfund) impose joint and several liability, regardless of fault, upon generators of hazardous substances for investigation and remediation costs (which include costs of demolition, removal, disposal, storage, replacement, containment and monitoring) and natural resource damages. Liability under these laws can be material and may be imposed for contamination from past acts, even though such past acts may have been lawful at the time they occurred. The sites at which the Utilities have been asserted to have liability under these laws, including their manufactured gas plant sites and any neighboring areas to which contamination may have migrated, are referred to herein as “Superfund Sites.”

For Superfund Sites where there are other potentially responsible parties and the Utilities are not managing the site investigation and remediation, the accrued liability represents an estimate of the amount the Utilities will need to pay to investigate and, where determinable, discharge their related obligations. For Superfund Sites (including the manufactured gas plant sites) for which one of the Utilities is managing the investigation and remediation, the accrued liability represents an estimate of the company’s share of the undiscounted cost to investigate the sites and, for sites that have been investigated in whole or in part, the cost to remediate the sites, if remediation is necessary and if a reasonable estimate of such cost can be made. Remediation costs are estimated in light of the information available, applicable remediation standards and experience with similar sites.

The accrued liabilities and regulatory assets related to Superfund Sites at December 31, 2017 and 2016 were as follows:

(Millions of Dollars)	Con		CECONY	
	Edison 2017	2016	2017	2016
Accrued Liabilities:				
Manufactured gas plant sites	\$651	\$664	\$551	\$567
Other Superfund Sites	86	89	86	88
Total	\$737	\$753	\$637	\$655
Regulatory assets	\$793	\$823	\$677	\$711

Most of the accrued Superfund Site liability relates to sites that have been investigated, in whole or in part. However, for some of the sites, the extent and associated cost of the required remediation has not yet been determined. As investigations progress and information pertaining to the required remediation becomes available,

the Utilities expect that additional liability may be accrued, the amount of which is not presently determinable but may be material. The Utilities are permitted to recover or defer as regulatory assets (for subsequent recovery through rates) prudently incurred site investigation and remediation costs.

Environmental remediation costs incurred related to Superfund Sites at December 31, 2017 and 2016 were as follows:

(Millions of Dollars)	Con Edison		CECONY	
	2017	2016	2017	2016
Remediation costs incurred	\$24	\$34	\$19	\$21

Insurance and other third party recoveries received by Con Edison or CECONY were immaterial in 2017. Con Edison and CECONY received \$1 million in insurance and other third party recoveries in 2016.

Con Edison and CECONY estimate that in 2018 they will incur costs for remediation of approximately \$47 million and \$34 million, respectively. The Companies are unable to estimate the time period over which the remaining accrued liability will be incurred because, among other things, the required remediation has not been determined for some of the sites.

In 2017, Con Edison and CECONY estimated that for their manufactured gas plant sites (including CECONY's Astoria site), the aggregate undiscounted potential liability for the investigation and remediation of coal tar and/or other environmental contaminants could range up to \$2.7 billion and \$2.5 billion, respectively. These estimates were based on the assumption that there is contamination at all sites, including those that have not yet been fully investigated and additional assumptions about the extent of the contamination and the type and extent of the remediation that may be required. Actual experience may be materially different.

Asbestos Proceedings

Suits have been brought in New York State and federal courts against the Utilities and many other defendants, wherein a large number of plaintiffs sought large amounts of compensatory and punitive damages for deaths and injuries allegedly caused by exposure to asbestos at various premises of the Utilities. The suits that have been resolved, which are many, have been resolved without any payment by the Utilities, or for amounts that were not, in the aggregate, material to them. The amounts specified in all the remaining thousands of suits total billions of dollars; however, the Utilities believe that these amounts are greatly exaggerated, based on the disposition of previous claims. At December 31, 2017, Con Edison and CECONY have accrued their estimated aggregate undiscounted potential liabilities for these suits and additional suits that may be brought over the next 15 years as shown in the following table. These estimates were based upon a combination of modeling, historical data analysis and risk factor assessment. Courts have begun, and unless otherwise determined on appeal may continue, to apply different standards for determining liability in asbestos suits than the standard that applied historically. As a result, the Companies currently believe that there is a reasonable possibility of an exposure to loss in excess of the liability accrued for the suits. The Companies are unable to estimate the amount or range of such loss. In addition, certain current and former employees have claimed or are claiming workers' compensation benefits based on alleged disability from exposure to asbestos. CECONY is permitted to defer as regulatory assets (for subsequent recovery through rates) costs incurred for its asbestos lawsuits and workers' compensation claims.

The accrued liability for asbestos suits and workers' compensation proceedings (including those related to asbestos exposure) and the amounts deferred as regulatory assets for the Companies at December 31, 2017 and 2016 were as follows:

(Millions of Dollars)	2017	Con Edison		CECONY
		2016	2017	2016
Accrued liability – asbestos suits	\$8	\$8	\$7	\$7
Regulatory assets – asbestos suits	\$8	\$8	\$7	\$7
Accrued liability – workers' compensation	\$84	\$88	\$80	\$83
Regulatory assets – workers' compensation	\$10	\$13	\$10	\$13

Note H – Other Material Contingencies

Manhattan Explosion and Fire

On March 12, 2014, two multi-use five-story tall buildings located on Park Avenue between 116th and 117th Streets in Manhattan were destroyed by an explosion and fire. CECONY had delivered gas to the buildings through service lines from a distribution main located below ground on Park Avenue. Eight people died and more than 50 people were injured. Additional buildings were also damaged. The National Transportation Safety Board (NTSB) investigated. The parties to the investigation included the company, the City of New York, the Pipeline and Hazardous Materials Safety Administration and the NYSPSC. In June 2015, the NTSB issued a final report concerning the incident, its probable cause and safety recommendations. The NTSB determined that the probable cause of the incident was (1) the failure of a defective fusion joint at a service tee (which joined a plastic service line to a plastic distribution main) installed by the company that allowed gas to leak from the distribution main and migrate into a building where it ignited and (2) a breach in a City sewer line that allowed groundwater and soil to flow into the sewer, resulting in a loss of support for the distribution main, which caused it to sag and overstressed the defective fusion joint. The NTSB also made safety recommendations, including recommendations to the company that addressed its procedures for the preparation and examination of plastic fusions, training of its staff on conditions for notifications to the City's Fire Department and extension of its gas main isolation valve installation program. In February 2017, the NYSPSC approved a settlement agreement with the company related to the NYSPSC's investigations of the incident and the practices of qualifying persons to perform plastic fusions. Pursuant to the agreement, the company will provide \$27 million of future benefits to customers (for which it has accrued a regulatory liability, see Note B) and will not recover from customers \$126 million of costs for gas emergency response activities that it had previously incurred and expensed. Approximately eighty suits are pending against the company seeking generally unspecified damages and, in some cases, punitive damages, for wrongful death, personal injury, property damage and business interruption. The company has notified its insurers of the incident and believes that the policies in force at the time of the incident will cover the company's costs, in excess of a required retention (the amount of which is not material), to satisfy any liability it may have for damages in connection with the incident. The company is unable to estimate the amount or range of its possible loss for damages related to the incident. At December 31, 2017, the company had not accrued a liability for damages related to the incident.

Other Contingencies

See "Other Regulatory Matters" in Note B and "Uncertain Tax Positions" in Note L.

Guarantees

Con Edison and its subsidiaries enter into various agreements providing financial or performance assurance primarily to third parties on behalf of their subsidiaries. Maximum amounts guaranteed by Con Edison totaled \$2,073 million and \$2,370 million at December 31, 2017 and 2016, respectively.

A summary, by type and term, of Con Edison's total guarantees at December 31, 2017 is as follows:

Guarantee Type	0 – 3 years	4 – 10 years	> 10 years	Total
	(Millions of Dollars)			
Con Edison Transmission	\$643	\$404	\$—	\$1,047
Energy transactions	431	27	211	669
Renewable electric production projects	210	—	24	234
Other	123	—	—	123
Total	\$1,407	\$431	\$235	\$2,073

Con Edison Transmission – Con Edison has guaranteed payment by CET Electric of the contributions CET Electric agreed to make to New York Transco LLC (NY Transco). CET Electric acquired a 45.7 percent interest in NY Transco when it was formed in 2014. In May 2016, the transmission owners transferred certain projects to NY Transco, for which CET Electric made its required contributions. NY Transco has proposed other transmission projects in the New York Independent System Operator's competitive bidding process. These other projects are subject to certain authorizations from the NYSPSC, the FERC and, as applicable, other federal, state and local agencies. Guarantee amount shown is for the maximum possible required amount of CET Electric's contributions for

these other projects as calculated based on the assumptions that the projects are completed at 175 percent of their estimated costs and NY Transco does not use any debt financing for the projects. Guarantee term shown is

136CON EDISON ANNUAL REPORT 2017

assumed as the selection of the projects and resulting timing of the contributions is not certain. Also included within the table above is a guarantee for \$25 million from Con Edison on behalf of CET Gas in relation to a proposed gas transmission project in West Virginia and Virginia. See Note U.

Energy Transactions — Con Edison guarantees payments on behalf of the Clean Energy Businesses in order to facilitate physical and financial transactions in electricity, gas, pipeline capacity, transportation, oil, renewable energy credits and energy services. To the extent that liabilities exist under the contracts subject to these guarantees, such liabilities are included in Con Edison's consolidated balance sheet.

Renewable Electric Production Projects – Con Edison, Con Edison Development and Con Edison Solutions guarantee payments on behalf of their wholly-owned subsidiaries associated with their investment in, or development for others of, solar and wind energy facilities.

Other – Other guarantees include \$70 million in guarantees provided by Con Edison to Travelers Insurance Company for indemnity agreements for surety bonds in connection with operation of solar energy facilities and energy service projects of Con Edison Development and Con Edison Solutions, respectively. Other guarantees also include Con Edison's guarantee (subject to a \$53 million maximum amount) of certain obligations of Con Edison Solutions under the agreement pursuant to which it sold its retail electric supply business. See Note U.

Note I – Electricity Purchase Agreements

The Utilities have electricity purchase agreements with non-utility generators and others for generating capacity. The Utilities recover their purchased power costs in accordance with provisions approved by the applicable state public utility regulators. See "Recoverable Energy Costs" in Note A.

At December 31, 2017, the significant terms of the electricity purchase agreements with non-utility generators were as follows:

Facility	Equity Owner	Plant Output (MW)	Contracted Output (MW)	Contract Start Date	Contract Term (Years)
Brooklyn Navy Yard	Brooklyn Navy Yard Cogeneration Partners, LP	322	303	November 1996	40
Indian Point (a)	Entergy Nuclear Power Marketing, LLC	2,150	500	August 2001	16

(a) A portion of this contract ended in 2017 and a portion ends in 2018.

The Utilities also conducted auctions and have entered into various other electricity purchase agreements. Assuming performance by the parties to the electricity purchase agreements, the Utilities are obligated over the terms of the agreements to make capacity and other fixed payments.

The future capacity and other fixed payments under the contracts are estimated to be as follows:

(Millions of Dollars)	2018	2019	2020	2021	2022	All Years Thereafter
Con Edison	\$257	\$202	\$114	\$65	\$54	\$656
CECONY	255	198	111	64	54	656

For energy delivered under most of the electricity purchase agreements, CECONY is obligated to pay variable prices. The company's payments under the significant terms of the agreements for capacity, energy and other fixed payments in 2017, 2016 and 2015 were as follows:

(Millions of Dollars)	For the		
	Years Ended		
	December 31,		
	2017	2016	2015
Linden Cogeneration (a)	\$114	\$304	\$323
Indian Point	211	203	226
Astoria Energy (b)	—	50	178
Astoria Generating Company	92	16	—
Brooklyn Navy Yard	117	119	113
Indeck Corinth (c)	—	—	25
Cogen Technologies	18	—	—
Total	\$552	\$692	\$865

(a) Contract term ended in 2017.

(b) Contract term ended in 2016.

(c) Contract term ended in 2015.

Note J – Leases

Con Edison's subsidiaries lease electric transmission facilities, gas distribution facilities, land, office buildings and equipment. In accordance with the accounting rules for leases, these leases are classified as either capital leases or operating leases. Most of the operating leases provide the option to renew at the fair rental value for future periods. Generally, it is expected that leases will be renewed or replaced in the normal course of business.

Capital leases: For ratemaking purposes capital leases are treated as operating leases; therefore, in accordance with the accounting rules for regulated operations, the amortization of the leased asset is based on the rental payments recovered from customers. The following assets under capital leases are included in the Companies' consolidated balance sheets at December 31, 2017 and 2016:

(Millions of Dollars)	Con Edison			CECONY
	2017	2016	2017	2016
UTILITY PLANT				
Common	\$2	\$3	\$1	\$2

The accumulated amortization of the capital leases for Con Edison and CECONY was \$3 million and \$2 million, respectively at December 31, 2017, and \$3 million and \$1 million, respectively at December 31, 2016.

Operating leases: The future minimum lease commitments under the Companies' operating lease agreements that are not cancellable by the Companies are as follows:

(Millions of Dollars)	Con Edison	CECONY
2018	\$63	\$55
2019	63	56
2020	63	55
2021	62	54
2022	59	53
All years thereafter	746	645
Total	\$1,056	\$918

Substantially all of the amounts shown in the above table are estimated amounts payable under CECONY's revocable consent agreement with New York City for the use of streets and public places for installation and operation of transformers and associated vaults and equipment. Under the agreement, payments by CECONY increase 2.18 percent annually and are subject to decrease if CECONY's transformer installations decrease by ½ of 1 percent or more from the prior year. For information about changes to the accounting rules for leases, see Note T.

Note K – Goodwill and Other Intangible Assets

In 2017, Con Edison elected to perform the optional qualitative assessment for goodwill related to the O&R merger and the gas storage company, and the first step of the quantitative test for the residential solar company. In 2016

138 CON EDISON ANNUAL REPORT 2017

Con Edison performed the first step of the quantitative analysis for the goodwill related to the O&R merger, the gas storage company, and the residential solar company and deemed that the second step assessment was not required.

In 2017 and 2016, Con Edison completed impairment tests for its goodwill of \$406 million related to the O&R merger, and determined that it was not impaired. For the impairment test, \$245 million and \$161 million of goodwill were allocated to CECONY and O&R, respectively. In 2017 and 2016, Con Edison completed impairment tests for goodwill of \$8 million related to a gas storage company acquired by CET Gas from Con Edison Development and determined that it was not impaired. In 2016, Con Edison completed impairment tests for goodwill of \$15 million related to two energy services companies owned by the Clean Energy Businesses and determined that goodwill was impaired and, upon calculating the implied fair value of goodwill using fair values based primarily on discounted cash flows, recorded a corresponding impairment charge of \$15 million (\$12 million, net of tax). Additionally, in 2016, the Clean Energy Businesses acquired a residential solar company and recorded \$14 million of goodwill as part of the preliminary purchase price allocation. In 2017, Con Edison determined that goodwill related to the residential solar company was not impaired. Estimates of future cash flows, projected growth rates, and discount rates inherent in the cash flow estimates for Con Edison subsidiaries other than the Utilities may vary significantly from actual results, which could result in a future impairment of goodwill.

For information about changes to the accounting rules for goodwill, see Note T.

Con Edison's other intangible assets consist primarily of power purchase agreements, which were identified as part of purchase price allocations associated with acquisitions made by Con Edison Development in 2016. At December 31, 2017 and 2016, intangible assets arising from power purchase agreements were \$131 million and \$119 million, net of accumulated amortization of \$9 million and \$1 million, respectively, and are being amortized over the life of each agreement. Excluding power purchase agreements, Con Edison's other intangible assets were an immaterial amount and \$5 million, net of accumulated amortization of \$6 million and \$5 million, at December 31, 2017 and 2016, respectively. CECONY's other intangible assets were immaterial at December 31, 2017 and 2016. Con Edison recorded amortization expense related to its intangible assets of \$9 million in 2017, \$2 million in 2016 and an immaterial amount in 2015. Con Edison expects amortization expense to be \$9 million per year over the next five years.

Note L – Income Tax

The components of income tax are as follows:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
State						
Current	\$(2)	\$(42)	\$38	\$37	\$(1)	\$48
Deferred	103	188	93	75	114	82
Federal						
Current	(11)	(43)	(86)	73	59	77
Deferred	391	604	569	504	435	372
Amortization of investment tax credits	(9)	(9)	(9)	(4)	(4)	(5)
Total income tax expense	\$472	\$698	\$605	\$685	\$603	\$574

The tax effects of temporary differences, which gave rise to deferred tax assets and liabilities, are as follows:

(Millions of Dollars)	Con			CECONY
	Edison	2016	2017	2016
Deferred tax liabilities:				
Property basis differences	\$6,555	\$9,446	\$5,968	\$8,620
Regulatory assets:				
Unrecognized pension and other postretirement costs	697	1,162	656	1,104
Future income tax	—	986	—	940
Environmental remediation costs	219	333	187	287
Deferred storm costs	11	23	—	1
Other regulatory assets	269	371	241	321
Equity investments	263	363	—	—
Total deferred tax liabilities	\$8,014	\$12,684	\$7,052	\$11,273
Deferred tax assets:				
Accrued pension and other postretirement costs	\$264	\$581	\$187	\$467
Regulatory liabilities:				
Future income tax	698	—	660	—
Other regulatory liabilities	593	822	524	728
Superfund and other environmental costs	203	304	176	265
Asset retirement obligations	86	99	79	92
Loss carryforwards	95	59	—	—
Tax credits carryforward	658	498	—	—
Valuation allowance	(33)	(16)	—	—
Other	112	303	148	312
Total deferred tax assets	2,676	2,650	1,774	1,864
Net deferred tax liabilities	\$5,338	\$10,034	\$5,278	\$9,409
Unamortized investment tax credits	157	171	28	41
Net deferred tax liabilities and unamortized investment tax credits	\$5,495	\$10,205	\$5,306	\$9,450

The TCJA includes significant changes affecting the taxation of regulated public utilities, such as CECONY and O&R, and Con Edison's other businesses. Substantially all of the provisions of the TCJA are effective for taxable years beginning after December 31, 2017. The TCJA reduces the corporate federal income tax rate from 35 percent to 21 percent. The specific provisions related to regulated public utilities in the TCJA generally allow for the continued deductibility of interest expense, do not allow for full expensing for tax purposes of certain property acquired after September 27, 2017, and continue certain rate normalization requirements for accelerated depreciation benefits. For other businesses, TCJA provides for full expensing of property acquired after September 27, 2017 and limits a deduction for interest expense to 30 percent of adjusted taxable income (which resembles earnings before interest, taxes, depreciation and amortization or "EBITDA").

In accordance with the accounting rules for income taxes (see "Federal Income Tax" in Note A), the tax effects of changes in tax laws are to be recognized in the period in which the law is enacted and deferred tax assets and liabilities are to be re-measured at the enacted tax rate expected to apply when temporary differences are to be realized or settled. For CECONY and O&R, in accordance with their New York rate plans and the accounting rules for regulated operations the change in deferred taxes was recorded as either an offset to a regulatory asset or a regulatory liability. See "Accounting Policies" in Note A and "Rate Plans" in Note B. For Con Edison's other businesses, the change in deferred taxes was reflected as a decrease in income tax expense, which increased Con Edison's net income.

Upon enactment of the TCJA, the Companies re-measured their deferred tax assets and liabilities based upon the TCJA's 21 percent corporate federal income tax rate. As a result, Con Edison, decreased its net deferred tax liabilities by \$5,312 million (including \$4,781 million for CECONY), recognized \$259 million in net income, decreased its regulatory asset for future income tax by \$1,250 million (including \$1,182 million for CECONY), decreased the regulatory asset for revenue taxes by \$90 million (including \$86 million for CECONY), and accrued a

140 CON EDISON ANNUAL REPORT 2017

regulatory liability for future income tax of \$3,713 million (including \$3,513 million for CECONY). Since the Companies are in a net regulatory liability position with respect to these income tax matters, the Companies netted the regulatory asset for future income tax against the regulatory liability for future income tax. Under the rate normalization requirements continued by the TCJA, \$2,684 million of the net regulatory liability (including \$2,542 million for CECONY) related to certain accelerated tax depreciation benefits is to be amortized over the remaining lives of the related assets. The remainder of the net regulatory liability is to be refunded (or credited) to customers as determined by the NYSPSC or NJBPU, as applicable. See “Other Regulatory Matters” in Note B. The amount recognized in net income included \$269 million for the Clean Energy Businesses, \$11 million for Con Edison Transmission and \$(21) million for the parent company. The re-measurement had no impact on the Companies’ cash flows for 2017.

SEC Staff Accounting Bulletin 118 (SAB 118), issued when the TCJA was enacted, clarifies accounting for income taxes if information is not yet available or complete and provides for up to a one year period in which to complete the required analyses and accounting. SAB 118 describes three scenarios associated with a company’s status of accounting for income tax reform: (1) a company is complete with its accounting for certain effects of tax reform, (2) a company is able to determine a reasonable estimate for certain effects of tax reform and records that estimate as a provisional amount, or (3) a company is not able to determine a reasonable estimate and therefore continues to apply the accounting rules for income taxes, based on the provisions of the tax laws that were in effect immediately prior to the TCJA being enacted. The Companies have completed the required analysis and accounting for substantially all the effects of the TCJA’s enactment and have made a reasonable estimate as to the other effects, and have reflected the measurement and accounting of the effects in their 2017 consolidated financial statements. The items reflected as provisional amounts include tax depreciation and amortization and other book/tax differences. The Companies have accounted for these items based on its interpretation of the TCJA. Further interpretive guidance on the TCJA from the IRS, U.S. Treasury Department, or the Joint Committee on Taxation may require adjustments to the Companies’ accounting. In accordance with SAB 118, adjustments, if any, will be recorded in 2018. The Companies did not identify any effects of the TCJA for which they were not able to either complete the required analysis or make a reasonable estimate.

Reconciliation of the difference between income tax expense and the amount computed by applying the prevailing statutory income tax rate to income before income taxes is as follows:

(% of Pre-tax income)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
STATUTORY TAX RATE						
Federal	35	% 35	% 35	% 35	% 35	% 35
Changes in computed taxes resulting from:						
State income tax	4	4	5	4	4	5
Cost of removal	1	(1)	(5)	1	(1)	(5)
Other plant-related items	(1)	—	—	(1)	(1)	—
TCJA tax rate reduction	(13)	—	—	—	—	—
Renewable energy credits	(1)	(1)	(1)	—	—	—
Research and development credits	—	(1)	—	—	(1)	—
Other	(2)	—	—	(1)	—	—
Effective tax rate	23	% 36	% 34	% 38	% 36	% 35

In 2017, Con Edison had a federal net operating loss of approximately \$121 million, due primarily to bonus depreciation. Con Edison expects to carryback approximately \$53 million of its 2017 net operating loss to 2007, which will result in recovery of \$19 million of income tax. The remaining 2017 federal net operating loss of \$68 million will be carried forward to future years and will not expire until 2037. General business tax credits that were generated in 2017 (\$176 million) will be carried forward to future years. Con Edison has \$658 million in general

business tax credit (primarily renewable energy tax credits), which if unused will begin to expire in 2032. A deferred tax asset for these tax attribute carryforwards was recorded, and no valuation allowance has been provided, as it is more likely than not that the deferred tax asset will be realized.

For New York State income tax purposes, Con Edison has a net operating loss carryforward available from 2017 of \$137 million, primarily as a result of accelerated tax deductions on renewable energy projects. A deferred tax asset has been recognized for this New York State net operating loss that will not expire until 2037. A valuation allowance has not been provided; as it is more likely than not that the deferred tax asset will be realized.

Con Edison recorded a full valuation allowance of \$3 million in 2015 against its charitable contribution carryforward from 2011. Due to the expiration of this charitable contribution carryforward in 2016, Con Edison wrote off the deferred tax asset and corresponding valuation allowance. Charitable contributions carryforward of \$5 million, \$5 million and \$4 million for 2015, 2016 and 2017, respectively, that will expire in 2020, 2021 and 2022, respectively, were recorded as a deferred tax asset and no valuation allowance has been provided, as it is more likely than not that the deferred tax asset will be realized. In addition, a \$21 million valuation allowance for New York City net operating loss carryforward and a \$12 million valuation allowance for state net operating losses carryforward has been provided; as it is not more likely than not that the deferred tax asset will be realized.

The Protecting Americans from Tax Hikes Act of 2015 extended bonus depreciation for property acquired and placed in service during 2015 through 2019. The bonus depreciation percentage is 50 percent for property placed in service during 2015, 2016 and 2017 and phases down to 40 percent in 2018, and 30 percent in 2019. As a result of the extension of bonus depreciation to 2015, Con Edison, in February 2016, received a refund of 2015 estimated taxes paid in the amount of \$160 million (\$143 million for CECONY). The TCJA does not allow bonus depreciation for property acquired and placed into service by regulated public utilities after September 27, 2017, but provides for full expensing for Con Edison's other businesses.

Uncertain Tax Positions

Under the accounting rules for income taxes, the Companies are not permitted to recognize the tax benefit attributable to a tax position unless such position is more likely than not to be sustained upon examination by taxing authorities, including resolution of any related appeals and litigation processes, based solely on the technical merits of the position.

A reconciliation of the beginning and ending amounts of unrecognized tax benefits for Con Edison and CECONY follows:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
Balance at January 1,	\$42	\$34	\$34	\$21	\$2	\$2
Additions based on tax positions related to the current year	1	2	—	1	2	—
Additions based on tax positions of prior years	1	19	1	1	19	—
Reductions for tax positions of prior years	(24)	(13)	—	(18)	(2)	—
Reductions from expiration of statute of limitations	(2)	—	(1)	—	—	—
Settlements	(6)	—	—	—	—	—
Balance at December 31,	\$12	\$42	\$34	\$5	\$21	\$2

In 2017, Con Edison reached a settlement with New York State on tax years 2006 through 2009 and on two significant items through 2015 and reversed \$30 million in uncertain tax positions. Of this amount, \$6 million (\$4 million, net of federal taxes) reduced Con Edison's effective tax rate. The amount related to CECONY was \$18 million (\$12 million, net of federal taxes), all of which reduced CECONY's unamortized state investment tax credits. Current and prior year additions in 2017 are for tax credits.

As of December 31, 2017, Con Edison reasonably expects to resolve within the next twelve months approximately \$8 million (\$7 million, net of federal taxes) of various federal and state uncertainties due to the expected completion of ongoing tax examinations and expiration of statute of limitations, of which the entire amount, if recognized, would reduce Con Edison's effective tax rate. The amount related to CECONY is approximately \$4 million, of which the entire amount, if recognized, would reduce CECONY's effective tax rate.

The Companies recognize interest on liabilities for uncertain tax positions in interest expense and would recognize penalties, if any, in operating expenses in the Companies' consolidated income statements. In 2017, 2016 and

142CON EDISON ANNUAL REPORT 2017

2015, the Companies recognized an immaterial amount of interest and no penalties for uncertain tax positions in their consolidated income statements. At December 31, 2017 and 2016, the Companies reflected an immaterial amount of interest and no penalties in their consolidated balance sheets.

At December 31, 2017, the total amount of unrecognized tax benefits that, if recognized, would reduce the Companies' effective tax rate is \$12 million (\$11 million, net of federal taxes) with \$5 million attributable to CECONY.

Federal tax returns for 2012 through 2016 remain under examination, with tax refunds for tax years 2012 through 2015 waiting for approval by the Joint Committee on Taxation. State income tax returns remain open for examination in New York for tax years 2010 through 2016 and in New Jersey for tax years 2008 through 2016.

Note M – Stock-Based Compensation

The Companies may compensate employees and directors with, among other things, stock options, stock units, restricted stock units and contributions to the stock purchase plan. The Long Term Incentive Plan, which was approved by Con Edison's shareholders in 2003 (2003 LTIP), and the Long Term Incentive Plan, which was approved by Con Edison's shareholders in 2013 (2013 LTIP), are collectively referred to herein as the LTIP. The LTIP provides for, among other things, awards to employees of restricted stock units and stock options and, to Con Edison's non-employee directors, stock units. Existing awards under the 2003 LTIP continue in effect, however no new awards may be issued under the 2003 LTIP. The 2013 LTIP provides for awards for up to five million shares of common stock.

Shares of Con Edison common stock used to satisfy the Companies' obligations with respect to stock-based compensation may be new (authorized, but unissued) shares, treasury shares or shares purchased in the open market. The shares used during the year ended December 31, 2017 were new shares. The Companies intend to use new shares to fulfill their stock-based compensation obligations for 2018.

The Companies recognized stock-based compensation expense using a fair value measurement method. The following table summarizes stock-based compensation expense recognized by the Companies in the years ended December 31, 2017, 2016 and 2015:

(Millions of Dollars)	Con Edison			CECONY		
	2017	2016	2015	2017	2016	2015
Performance-based restricted stock	\$53	\$42	\$27	\$45	\$36	\$23
Time-based restricted stock	2	2	1	2	2	1
Non-employee director deferred stock compensation	2	2	2	2	2	2
Stock purchase plan	6	4	4	6	4	3
Total	\$63	\$50	\$34	\$55	\$44	\$29
Income tax benefit	\$25	\$20	\$14	\$22	\$18	\$12

Stock Options

The Companies last granted stock options in 2006. The stock options generally vested over a three-year period and had a term of 10 years. Options were granted at an exercise price equal to the fair market value of a common share when the option was granted. The Companies generally recognized compensation expense (based on the fair value of stock option awards) over the vesting period. At December 31, 2017 and 2016, there were no outstanding options.

The aggregate intrinsic value of options exercised in 2016 for Con Edison and CECONY was \$2 million. Aggregate intrinsic value represents the changes in the fair value of all outstanding options from their grant dates to December 31, 2016. Cash received by Con Edison for payment of the exercise price for Con Edison and CECONY options in 2016 was \$3 million. No options were exercised in 2017.

The income tax benefit Con Edison realized from stock options exercised in the years ended December 31, 2016 and 2015 was \$1 million.

Restricted Stock and Stock Units

Restricted stock and stock unit awards under the LTIP have been made as follows: (i) awards that provide for adjustment of the number of units (performance-restricted stock units or Performance RSUs) to certain officers and employees; (ii) time-based awards to certain employees; and (iii) awards to non-employee directors. Restricted stock and stock units awarded represents the right to receive, upon vesting, shares of Con Edison common stock, or, except for units awarded under the directors' plan, the cash value of shares or a combination thereof.

The number of units in each annual Performance RSU award is subject to adjustment as follows: (i) 50 percent of the units awarded will be multiplied by a factor that may range from 0 to 200 percent, based on Con Edison's total shareholder return relative to a specified peer group during a specified performance period (the TSR portion); and (ii) 50 percent of the units awarded will be multiplied by factors that may range from 0 to 200 percent, based on determinations made in connection with the Companies' annual incentive plans or, for certain executive officers, actual performance as compared to certain performance measures during a specified performance period (the non-TSR portion). Performance RSU awards generally vest upon completion of the performance period.

Performance against the established targets is recomputed each reporting period as of the earlier of the reporting date and the vesting date. The TSR portion applies a Monte Carlo simulation model, and the non-TSR portion is the product of the market price at the end of the period and the average non-TSR determination over the vesting period. Performance RSUs are "liability awards" because each Performance RSU represents the right to receive, upon vesting, one share of Con Edison common stock, the cash value of a share or a combination thereof. As such, changes in the fair value of the Performance RSUs are reflected in net income. The assumptions used to calculate the fair value of the awards were as follows:

	2017	2016	2015
Risk-free interest rate (a)	1.76% - 1.89%	0.85% - 1.20%	0.64% - 3.28%
Expected term (b)	3 years	3 years	3 years
Expected share price volatility (c)	11.01% - 14.70%	17.72% - 18.22%	15.82%

(a) The risk-free rate is based on the U.S. Treasury zero-coupon yield curve.

(b) The expected term of the Performance RSUs equals the vesting period. The Companies do not expect significant forfeitures to occur.

(c) Based on historical experience.

A summary of changes in the status of the Performance RSUs' TSR and non-TSR portions during the year ended December 31, 2017 is as follows:

	Con Edison			CECONY		
	Units	Weighted Average Grant Date Fair Value (a)	Non-TSR Portion (b)	Units	Weighted Average Grant Date Fair Value (a)	Non-TSR Portion (c)
Non-vested at December 31, 2016	1,087,137	\$55.45	\$63.03	848,342	\$54.92	\$63.00
Granted	368,150	73.13	74.54	277,318	72.78	74.72
Vested	(375,684)	25.36	53.66	(293,842)	25.32	53.66
Forfeited	(50,671)	76.29	72.23	(46,226)	76.41	72.31
Transferred (d)	—	—	—	(1,426)	53.01	72.52
Non-vested at December 31, 2017	1,028,932	\$71.74	\$70.11	784,166	\$71.06	\$70.08

(a) The TSR and non-TSR Portions each account for 50 percent of the awards' value.

(b) Fair value is determined using the Monte Carlo simulation described above. Weighted average grant date fair value does not reflect any accrual or payment of dividends prior to vesting.

(c) Fair value is determined using the market price of one share of Con Edison common stock on the grant date. The market price has not been discounted to reflect that dividends do not accrue and are not payable on Performance RSUs until vesting.

(d)

Represents allocation to another Con Edison subsidiary of a portion of the Performance RSUs that had been awarded to a CECONY officer who transferred to the other subsidiary. The total expense to be recognized by Con Edison in future periods for unvested Performance RSUs outstanding at December 31, 2017 is \$38 million, including \$31 million for CECONY, and is expected to be recognized over a weighted average period of one year for both Con Edison and CECONY.

144 CON EDISON ANNUAL REPORT 2017

In accordance with the accounting rules for stock compensation, for time-based awards, the Companies are accruing a liability and recognizing compensation expense based on the market value of a common share throughout the vesting period. The vesting period for awards is three years and is based on the employee's continuous service to Con Edison. Prior to vesting, the awards are subject to forfeiture in whole or in part under certain circumstances. The awards are "liability awards" because each restricted stock unit represents the right to receive, upon vesting, one share of Con Edison common stock, the cash value of a share or a combination thereof. As such, prior to vesting, changes in the fair value of the units are reflected in net income.

A summary of changes in the status of time-based awards during the year ended December 31, 2017 is as follows:

	Con Edison		CECONY	
	Units	Weighted Average Grant Date Fair Value	Units	Weighted Average Grant Date Fair Value
Non-vested at December 31, 2016	65,980	\$64.04	62,580	\$64.03
Granted	23,000	77.66	21,800	77.66
Vested	(21,359)	53.77	(20,359)	53.77
Forfeited	(2,751)	71.62	(2,601)	71.93
Non-vested at December 31, 2017	64,870	\$71.93	61,420	\$71.93

The total expense to be recognized by Con Edison in future periods for unvested time-based awards outstanding at December 31, 2017 for Con Edison and CECONY was \$2 million and is expected to be recognized over a weighted average period of one year.

Under the LTIP, each non-employee director receives stock units, which are deferred until the director's separation from service or another date specified by the director. Each director may also elect to defer all or a portion of their cash compensation into additional stock units, which are deferred until the director's termination of service or another date specified by the director. Non-employee directors' stock units issued under the LTIP are considered "equity awards," because they may only be settled in shares. Directors immediately vest in units issued to them. The fair value of the units is determined using the closing price of Con Edison's common stock on the business day immediately preceding the date of issue. In the year ended December 31, 2017, approximately 28,100 units were issued at a weighted average grant date price of \$81.15.

Stock Purchase Plan

The Stock Purchase Plan, which was approved by shareholders in 2004 and 2014, provides for the Companies to contribute up to \$1 for each \$9 invested by their directors, officers or employees to purchase Con Edison common stock under the plan. Eligible participants may invest up to \$25,000 during any calendar year (subject to an additional limitation for officers and employees of not more than 20 percent of their pay). Dividends paid on shares held under the plan are reinvested in additional shares unless otherwise directed by the participant.

Participants in the plan immediately vest in shares purchased by them under the plan. The fair value of the shares of Con Edison common stock purchased under the plan was calculated using the average of the high and low composite sale prices at which shares were traded at the New York Stock Exchange on the trading day immediately preceding such purchase dates. During 2017, 2016 and 2015, 719,125, 720,268 and 761,784 shares were purchased under the Stock Purchase Plan at a weighted average price of \$79.57, \$72.67 and \$62.75 per share, respectively.

Note N – Financial Information by Business Segment

The business segments of each of the Companies, which are its operating segments, were determined based on management's reporting and decision-making requirements in accordance with the accounting rules for segment reporting.

Con Edison's principal business segments are CECONY's regulated utility activities, O&R's regulated utility activities, the Clean Energy Businesses and Con Edison Transmission. CECONY's principal business segments are its regulated electric, gas and steam utility activities. Con Edison Transmission, which had begun investing in electric transmission and gas pipeline and storage assets (see Note U), was added in June 2016 as a separate reportable

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

segment based on management's reporting and decision-making, including performance evaluation and resource allocation. For comparison purposes, the previously reported financial information by business segments was reclassified to reflect the current business segment presentation.

All revenues of these business segments are from customers located in the United States of America. Also, all assets of the business segments are located in the United States of America. The accounting policies of the segments are the same as those described in Note A.

Common services shared by the business segments are assigned directly or allocated based on various cost factors, depending on the nature of the service provided.

The financial data for the business segments are as follows:

As of and for the Year Ended December 31, 2017 (Millions of Dollars)	Operating revenues	Inter- segment revenues	Depreciation and amortization	Operating income	Other Income (deductions)	Income taxes		Total assets	Capital expenditures
						Interest charges	Operating income		
							(a)		
CECONY									
Electric	\$7,972	\$16	\$925	\$1,862	\$7	\$472	\$511	\$29,668	\$1,905
Gas	1,901	6	185	472	—	113	152	8,387	909
Steam	595	75	85	71	—	38	25	2,403	90
Consolidation adjustments	—	(97)	—	—	—	—	—	—	—
Total CECONY	\$10,468	\$—	\$1,195	\$2,405	\$7	\$623	\$688	\$40,458	\$2,904
O&R									
Electric	\$642	\$—	\$51	\$100	\$1	\$24	\$30	\$1,949	\$128
Gas	232	—	20	41	—	12	12	824	61
Other	—	—	—	—	—	—	—	—	—
Total O&R	\$874	\$—	\$71	\$141	\$1	\$36	\$42	\$2,773	\$189
Clean Energy Businesses	\$694	\$—	\$74	\$69	\$33	\$43	\$(273)	\$2,735	\$447
Con Edison Transmission	2	—	1	(8)	80	16	(11)	1,222	66
Other (b)	(5)	—	—	3	(5)	11	13	930	—
Total Con Edison	\$12,033	\$—	\$1,341	\$2,610	\$116	\$729	\$459	\$48,118	\$3,606
As of and for the Year Ended December 31, 2016 (Millions of Dollars)	Operating revenues	Inter- segment revenues	Depreciation and amortization	Operating income	Other Income (deductions)	Income taxes		Total assets	Capital expenditures
						Interest charges	Operating income		
							(a)		
CECONY									
Electric	\$8,106	\$17	\$865	\$1,847	\$2	\$459	\$495	\$30,708	\$1,819
Gas	1,508	6	159	357	(1)	105	92	7,553	811
Steam	551	88	82	58	(1)	39	30	2,595	126
Consolidation adjustments	—	(111)	—	—	—	—	—	—	—
Total CECONY	\$10,165	\$—	\$1,106	\$2,262	\$—	\$603	\$617	\$40,856	\$2,756
O&R									
Electric	\$637	\$—	\$49	\$95	\$1	\$24	\$30	\$1,949	\$114
Gas	184	—	18	35	—	12	10	809	52
Other	—	—	—	—	—	—	—	—	—
Total O&R	\$821	\$—	\$67	\$130	\$1	\$36	\$40	\$2,758	\$166
Clean Energy Businesses	\$1,091	\$7	\$42	\$183	\$21	\$34	\$53	\$2,551	\$1,235
Con Edison Transmission	—	—	—	(3)	43	6	—	1,150	1,078

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

Other (b)	(2)	(7)	1	3	(1)	17	4	940	—
Total Con Edison	\$12,075	\$—	\$1,216	\$2,575	\$64	\$696	\$714	\$48,255	\$5,235

146 CON EDISON ANNUAL REPORT 2017

As of and for the Year Ended December 31, 2015 (Millions of Dollars)	Operating revenues	Inter- segment revenues	Depreciation and amortization	Operating income	Other Income (deductions)	Income taxes		Total assets	Capital expenditures
						Interest charges	Operating income (a)		
CECONY									
Electric	\$8,172	\$18	\$820	\$1,798	\$(2)	\$447	\$447	\$30,605	\$1,658
Gas	1,527	6	142	356	(2)	96	100	6,974	671
Steam	629	86	78	93	(1)	41	41	2,653	106
Consolidation adjustments	—	(110)	—	—	—	—	—	—	—
Total CECONY	\$10,328	\$—	\$1,040	\$2,247	\$(5)	\$584	\$588	\$40,236	\$2,435
O&R									
Electric	\$663	\$—	\$50	\$103	\$(2)	\$23	\$31	\$2,140	\$114
Gas	182	—	18	18	(2)	12	2	579	46
Other	—	—	—	—	—	—	—	—	—
Total O&R	\$845	\$—	\$68	\$121	\$(4)	\$35	\$33	\$2,719	\$160
Clean Energy Businesses	\$1,383	\$(2)	\$22	\$58	\$35	\$11	\$22	\$1,680	\$823
Con Edison Transmission	—	—	—	—	—	—	—	3	—
Other (b)	(2)	2	—	1	(2)	23	1	1,010	—
Total Con Edison	\$12,554	\$—	\$1,130	\$2,427	\$24	\$653	\$644	\$45,643	\$3,418

For Con Edison, the income tax expense/(benefit) on non-operating income was \$13 million, \$(16) million and \$(40) million in 2017, 2016 and 2015, respectively. For CECONY, the income tax expense/(benefit) on non-operating income was \$(3) million, \$(14) million and \$(14) million in 2017, 2016 and 2015, respectively. At December 31, 2017, Con Edison re-measured its deferred tax assets and liabilities based upon the 21 percent corporate income tax rate under the TCJA. As a result, Con Edison, decreased its federal income tax expense by \$259 million (\$269 million, \$11 million and \$(21) million, respectively, for Clean Energy Businesses, Con Edison Transmission and the parent company). See "Other Regulatory Matters" in Note B and Note L to the financial statements in Item 8.

(b) Parent company and consolidation adjustments. Other does not represent a business segment.

Note O – Derivative Instruments and Hedging Activities

Commodity Derivatives

Con Edison's subsidiaries hedge market price fluctuations associated with physical purchases and sales of electricity, natural gas, steam and, to a lesser extent, refined fuels by using derivative instruments including futures, forwards, basis swaps, options, transmission congestion contracts and financial transmission rights contracts. Derivatives are recognized on the consolidated balance sheet at fair value (see Note P), unless an exception is available under the accounting rules for derivatives and hedging. Qualifying derivative contracts that have been designated as normal purchases or normal sales contracts are not reported at fair value under the accounting rules.

The fair values of the Companies' commodity derivatives including the offsetting of assets and liabilities on the consolidated balance sheet at December 31, 2017 and 2016 were:

Balance Sheet Location	2017			2016			
	Gross Amounts of Recognized Assets/ (Liabilities)	Gross Offset	Net Amounts of Assets/(Liabilities) (a)	Gross Amounts of Recognized Assets/ (Liabilities)	Gross Offset	Net Amounts of Assets/(Liabilities) (a)	
Con Edison							
Fair value of derivative assets							
Current	\$83	\$(51)	\$32	(b)\$81	\$(64)	\$17	(b)
Noncurrent	10	(4)	6	49	(43)	6	
Total fair value of derivative assets	\$93	\$(55)	\$38	\$130	\$(107)	\$23	
Fair value of derivative liabilities							
Current	\$(67)	\$50	\$(17)	\$(138)	\$61	\$(77)	
Noncurrent	(43)	5	(38)	(91)	52	(39)	(c)
Total fair value of derivative liabilities	\$(110)	\$55	\$(55)	\$(229)	\$113	\$(116)	
Net fair value derivative assets/(liabilities)	\$(17)	\$—	\$(17)	(b)\$99	\$6	\$(93)	(b)(c)
CECONY							
Fair value of derivative assets							
Current	\$39	\$(15)	\$24	(b)\$52	\$(45)	\$7	(b)
Noncurrent	9	(4)	5	41	(35)	6	
Total fair value of derivative assets	\$48	\$(19)	\$29	\$93	\$(80)	\$13	
Fair value of derivative liabilities							
Current	\$(26)	\$14	\$(12)	\$(111)	\$45	\$(66)	
Noncurrent	(36)	4	(32)	(77)	44	(33)	
Total fair value of derivative liabilities	\$(62)	\$18	\$(44)	\$(188)	\$89	\$(99)	
Net fair value derivative assets/(liabilities)	\$(14)	\$(1)	\$(15)	(b)\$95	\$9	\$(86)	(b)

Derivative instruments and collateral were offset on the consolidated balance sheet as applicable under the accounting rules. The Companies enter into master agreements for their commodity derivatives. These agreements (a) typically provide offset in the event of contract termination. In such case, generally the non-defaulting party's payable will be offset by the defaulting party's payable. The non-defaulting party will customarily notify the defaulting party within a specific time period and come to an agreement on the early termination amount. (b) At December 31, 2017 and 2016, margin deposits for Con Edison (\$12 million and \$7 million, respectively) and CECONY (\$11 million and \$7 million, respectively) were classified as derivative assets on the consolidated balance sheet, but not included in the table. Margin is collateral, typically cash, that the holder of a derivative

instrument is required to deposit in order to transact on an exchange and to cover its potential losses with its broker or the exchange.

(c) Does not include (\$1) million for interest rate swap (see below).

The Utilities generally recover their prudently incurred fuel, purchased power and gas costs, including hedging gains and losses, in accordance with rate provisions approved by the applicable state utility regulators. See "Recoverable Energy Costs" in Note A. In accordance with the accounting rules for regulated operations, the Utilities record a regulatory asset or liability to defer recognition of unrealized gains and losses on their electric and gas derivatives. As gains and losses are realized in future periods, they will be recognized as purchased power, gas and fuel costs in the Companies' consolidated income statements. The Clean Energy Businesses record realized and unrealized gains and losses on their derivative contracts in purchased power, gas purchased for resale and non-utility revenue in the reporting period in which they occur. Management believes that these derivative instruments represent economic hedges that mitigate exposure to fluctuations in commodity prices.

148 CON EDISON ANNUAL REPORT 2017

The following table presents the realized and unrealized gains or losses on commodity derivatives that have been deferred or recognized in earnings for the years ended December 31, 2017 and 2016:

(Millions of Dollars) Balance Sheet Location	Con Edison		CECONY		
	2017	2016	2017	2016	
Pre-tax gains/(losses) deferred in accordance with accounting rules for regulated operations:					
Current	Deferred derivative gains	\$3	\$23	\$4	\$18
Noncurrent	Deferred derivative gains	—	1	—	2
Total deferred gains/(losses)		\$3	\$24	\$4	\$20
Current	Deferred derivative losses	\$51	\$22	\$49	\$18
Current	Recoverable energy costs	(154)	(212)	(144)	(194)
Noncurrent	Deferred derivative losses	4	2	5	4
Total deferred gains/(losses)		\$(99)	\$(188)	\$(90)	\$(172)
Net deferred gains/(losses)		\$(96)	\$(164)	\$(86)	\$(152)
Income Statement Location					
Pre-tax gain/(loss) recognized in income					
	Purchased power expense	\$—	\$(101)	(b) \$—	\$—
	Gas purchased for resale	3	(112)	—	—
	Non-utility revenue	5	(a) 9	(b) —	—
	Other operations and maintenance expense	—	1	(c) —	1 (c)
Total pre-tax gain/(loss) recognized in income		\$8	\$(203)	\$—	\$1

(a) For the year ended December 31, 2017, Con Edison recorded an immaterial unrealized pre-tax gain in non-utility operating revenue.

(b) For the year ended December 31, 2016, Con Edison recorded unrealized pre-tax gains and losses in non-utility operating revenue (\$5 million loss) and purchased power expense (\$11 million gain).

(c) For the year ended December 31, 2016, Con Edison and CECONY recorded an unrealized gain in other operations and maintenance expense (\$1 million).

The following table presents the hedged volume of Con Edison's and CECONY's derivative transactions at December 31, 2017:

	Electric Energy (MWh) (a)(b)	Capacity (MW) (a)	Natural Gas (Dt) (a)(b)	Refined Fuels (gallons)
Con Edison	31,741,652	10,275	177,433,144	3,780,000
CECONY	29,696,600	5,100	169,790,000	3,780,000

(a) Volumes are reported net of long and short positions, except natural gas collars where the volumes of long positions are reported.

(b) Excludes electric congestion and gas basis swap contracts which are associated with electric and gas contracts and hedged volumes.

The Companies are exposed to credit risk related to transactions entered into primarily for the various energy supply and hedging activities by the Utilities and the Clean Energy Businesses. Credit risk relates to the loss that may result from a counterparty's nonperformance. The Companies use credit policies to manage this risk, including an established credit approval process, monitoring of counterparty limits, netting provisions within agreements, collateral or prepayment arrangements, credit insurance and credit default swaps. The Companies measure credit risk exposure as the replacement cost for open energy commodity and derivative positions plus amounts owed from counterparties for settled transactions. The replacement cost of open positions represents unrealized gains, net of any unrealized losses where the Companies have a legally enforceable right to offset.

At December 31, 2017, Con Edison and CECONY had \$103 million and \$28 million of credit exposure in connection with energy supply and hedging activities, net of collateral, respectively. Con Edison's net credit exposure consisted of \$39 million with investment-grade counterparties, \$29 million with independent system operators, \$22 million with commodity exchange brokers, and \$13 million with non-investment grade/non-rated counterparties. CECONY's net credit exposure consisted of \$17 million with investment-grade counterparties and \$11 million with commodity exchange brokers.

The collateral requirements associated with, and settlement of, derivative transactions are included in net cash flows from operating activities in the Companies' consolidated statement of cash flows. Most derivative instrument

contracts contain provisions that may require a party to provide collateral on its derivative instruments that are in a net liability position. The amount of collateral to be provided will depend on the fair value of the derivative instruments and the party's credit ratings.

The following table presents the aggregate fair value of the Companies' derivative instruments with credit-risk-related contingent features that are in a net liability position, the collateral posted for such positions and the additional collateral that would have been required to be posted had the lowest applicable credit rating been reduced one level and to below investment grade at December 31, 2017:

(Millions of Dollars)	Con Edison (a)	CECONY (a)
Aggregate fair value – net liabilities	\$39	\$31
Collateral posted	68	63
Additional collateral (b) (downgrade one level from current ratings)	—	—
Additional collateral (b)(c) (downgrade to below investment grade from current ratings)	29	22

Non-derivative transactions for the purchase and sale of electricity and gas and qualifying derivative instruments, which have been designated as normal purchases or normal sales, are excluded from the table. These transactions primarily include purchases of electricity from independent system operators. In the event the Utilities and the (a) Clean Energy Businesses were no longer extended unsecured credit for such purchases, the Companies would be required to post additional collateral of \$8 million at December 31, 2017. For certain other such non-derivative transactions, the Companies could be required to post collateral under certain circumstances, including in the event counterparties had reasonable grounds for insecurity.

The Companies measure the collateral requirements by taking into consideration the fair value amounts of derivative instruments that contain credit-risk-related contingent features that are in a net liabilities position plus (b) amounts owed to counterparties for settled transactions and amounts required by counterparties for minimum financial security. The fair value amounts represent unrealized losses, net of any unrealized gains where the Companies have a legally enforceable right to offset.

Derivative instruments that are net assets have been excluded from the table. At December 31, 2017, if Con Edison (c) had been downgraded to below investment grade, it would have been required to post additional collateral for such derivative instruments of \$18 million.

Interest Rate Swap

In December 2016, the Clean Energy Businesses acquired Coram Wind which holds an interest rate swap that terminates in June 2024, pursuant to which it pays a fixed-rate of 2.0855 percent and receives a LIBOR-based variable rate. The fair value of this interest rate swap was immaterial as of December 31, 2017 and a liability of \$1 million as of December 31, 2016 on Con Edison's consolidated balance sheet.

Note P – Fair Value Measurements

The accounting rules for fair value measurements and disclosures define fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date in a principal or most advantageous market. Fair value is a market-based measurement that is determined based on inputs, which refer broadly to assumptions that market participants use in pricing assets or liabilities. These inputs can be readily observable, market corroborated, or generally unobservable firm inputs. The Companies often make certain assumptions that market participants would use in pricing the asset or liability, including assumptions about risk, and the risks inherent in the inputs to valuation techniques. The Companies use valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs.

The accounting rules for fair value measurements and disclosures established a fair value hierarchy, which prioritizes the inputs to valuation techniques used to measure fair value in three broad levels. The rules require that assets and liabilities be classified in their entirety based on the level of input that is significant to the fair value measurement.

Assessing the significance of a particular input may require judgment considering factors specific to the asset or liability, and may affect the valuation of the asset or liability and their placement within the fair value hierarchy. The Companies classify fair value balances based on the fair value hierarchy defined by the accounting rules for fair value

measurements and disclosures as follows:

Level 1 – Consists of assets or liabilities whose value is based on unadjusted quoted prices in active markets at the measurement date. An active market is one in which transactions for assets or liabilities occur with sufficient frequency and volume to provide pricing information on an ongoing basis. This category includes contracts traded on active exchange markets valued using unadjusted prices quoted directly from the exchange.

Level 2 – Consists of assets or liabilities valued using industry standard models and based on prices, other than quoted prices within Level 1, that are either directly or indirectly observable as of the measurement

150CON EDISON ANNUAL REPORT 2017

date. The industry standard models consider observable assumptions including time value, volatility factors and current market and contractual prices for the underlying commodities, in addition to other economic measures. This category includes contracts traded on active exchanges or in over-the-counter markets priced with industry standard models.

Level 3 – Consists of assets or liabilities whose fair value is estimated based on internally developed models or methodologies using inputs that are generally less readily observable and supported by little, if any, market activity at the measurement date. Unobservable inputs are developed based on the best available information and subject to cost benefit constraints. This category includes contracts priced using models that are internally developed and contracts placed in illiquid markets. It also includes contracts that expire after the period of time for which quoted prices are available and internal models are used to determine a significant portion of the value.

Assets and liabilities measured at fair value on a recurring basis for the years ended December 31, 2017 and 2016 are summarized below.

(Millions of Dollars)	2017			2016					
	Level 1	Level 2	Level 3	Netting Adjustment (e)	Total	Level 2	Level 3	Netting Adjustment (e)	Total
Con Edison									
Derivative assets:									
Commodity (a)(b)(c)	\$577	\$7	\$7	\$(39)	\$50	\$33	\$7	\$(24)	\$30
Other (a)(b)(d)	2820	—	—	—	403	111	—	—	333
Total assets	\$2887	\$7	\$7	\$(39)	\$453	\$144	\$7	\$(24)	\$363
Derivative liabilities:									
Commodity (a)(b)(c)	\$893	\$6	\$6	\$(52)	\$55	\$444	\$6	\$(38)	\$116
Interest Rate Swap (a)(b)(c)(f)	—	—	—	—	—	1	—	—	1
Total liabilities	\$893	\$6	\$6	\$(52)	\$55	\$445	\$6	\$(38)	\$117
CECONY									
Derivative assets:									
Commodity (a)(b)(c)	\$340	\$4	\$4	\$(7)	\$40	\$19	\$1	\$(10)	\$20
Other (a)(b)(d)	2604	—	—	—	374	106	—	—	306
Total assets	\$2654	\$4	\$4	\$(7)	\$414	\$125	\$1	\$(10)	\$326
Derivative liabilities:									
Commodity (a)(b)(c)	\$557	\$—	\$—	\$(18)	\$44	\$124	\$—	\$(26)	\$99

The Companies' policy is to review the fair value hierarchy and recognize transfers into and transfers out of the levels at the end of each reporting period. Con Edison and CECONY had \$11 million and \$10 million, respectively, of commodity derivative liabilities transferred from level 3 to level 2 during the year ended (a) December 31, 2017 because of availability of observable market data due to the decrease in the terms of certain contracts from beyond three years as of September 30, 2017 to less than three years as of December 31, 2017. There were no transfers between levels 1, 2 and 3 for the year ended December 31, 2016.

Level 2 assets and liabilities include investments held in the deferred compensation plan and/or non-qualified retirement plans, exchange-traded contracts where there is insufficient market liquidity to warrant inclusion in (b) Level 1, certain over-the-counter derivative instruments for electricity, refined products and natural gas. Derivative instruments classified as Level 2 are valued using industry standard models that incorporate corroborated observable inputs; such as pricing services or prices from similar instruments that trade in liquid markets, time value and volatility factors.

The accounting rules for fair value measurements and disclosures require consideration of the impact of (c) nonperformance risk (including credit risk) from a market participant perspective in the measurement of the fair value of assets and liabilities. At December 31, 2017 and 2016, the Companies determined that nonperformance risk would have no material impact on their financial position or results of operations.

- (d) Other assets are comprised of assets such as life insurance contracts within the deferred compensation plan and non-qualified retirement plans.
- (e) Amounts represent the impact of legally-enforceable master netting agreements that allow the Companies to net gain and loss positions and cash collateral held or placed with the same counterparties.
- (f) See Note O.

The employees in the Companies' risk management group develop and maintain the Companies' valuation policies and procedures for, and verify pricing and fair value valuation of, commodity derivatives. Under the Companies' policies and procedures, multiple independent sources of information are obtained for forward price curves used to value commodity derivatives. Fair value and changes in fair value of commodity derivatives are reported on a monthly basis to the Companies' risk committees, comprised of officers and employees of the Companies that

oversee energy hedging at the Utilities and the Clean Energy Businesses. The risk management group reports to the Companies' Vice President and Treasurer.

Fair Value of Level 3 at
December 31, 2017

	(Millions of Dollars)	Valuation Techniques	Unobservable Inputs	Range
Con Edison — Commodity				
Electricity	\$(1)	Discounted Cash Flow	Forward energy prices (a)	\$15.52-\$115.00 per MWh
		Discounted Cash Flow	Forward capacity prices (a)	\$1.50-\$12.50 per kW-month
Transmission Congestion Contracts	\$2	Discounted Cash Flow	Inter-zonal forward price curves adjusted for historical zonal losses (b)	\$0.19-\$3.57 per MWh
Total Con Edison — Commodity	\$1			
CECONY — Commodity				
Electricity	\$3	Discounted Cash Flow	Forward capacity prices (a)	\$2.35-\$12.50 per kW-month
Transmission Congestion Contracts	\$1	Discounted Cash Flow	Inter-zonal forward price curves adjusted for historical zonal losses (b)	\$0.51-\$3.00 per MWh
Total CECONY — Commodity	\$4			

(a) Generally, increases/(decreases) in this input in isolation would result in a higher/(lower) fair value measurement.

(b) Generally, increases/(decreases) in this input in isolation would result in a lower/(higher) fair value measurement.

The table listed below provides a reconciliation of the beginning and ending net balances for assets and liabilities measured at fair value for the years ended December 31, 2017 and 2016 and classified as Level 3 in the fair value hierarchy:

(Millions of Dollars)	Con Edison			CECONY
	2017	2016	2017	2016
Beginning balance as of January 1,	\$1	\$6	\$1	\$8
Included in earnings	8	(7)	2	(1)
Included in regulatory assets and liabilities	(13)	(6)	(7)	(6)
Purchases	2	4	1	2
Sales	—	4	—	—
Settlements	(8)	—	(3)	(2)
Transfer out of level 3	11	—	10	—
Ending balance as of December 31,	\$1	\$1	\$4	\$1

For the Utilities, realized gains and losses on Level 3 commodity derivative assets and liabilities are reported as part of purchased power, gas and fuel costs. The Utilities generally recover these costs in accordance with rate provisions approved by the applicable state public utilities regulators. See Note A. Unrealized gains and losses for commodity derivatives are generally deferred on the consolidated balance sheet in accordance with the accounting rules for regulated operations.

For the Clean Energy Businesses, realized and unrealized gains and losses on Level 3 commodity derivative assets and liabilities are reported in non-utility revenues (\$2 million gain and immaterial) and purchased power costs

(immaterial and \$6 million loss) on the consolidated income statement for the years ended December 31, 2017 and 2016, respectively. The change in fair value relating to Level 3 commodity derivative assets and liabilities held at December 31, 2017 and 2016 is included in non-utility revenues (\$2 million gain and immaterial) and purchased power costs (immaterial and \$1 million loss) on the consolidated income statement for the years ended December 31, 2017 and 2016, respectively.

152CON EDISON ANNUAL REPORT 2017

Note Q – Variable Interest Entities

The accounting rules for consolidation address the consolidation of a variable interest entity (VIE) by a business enterprise that is the primary beneficiary. A VIE is an entity that does not have a sufficient equity investment at risk to permit it to finance its activities without additional subordinated financial support, or whose equity investors lack the characteristics of a controlling financial interest. The primary beneficiary is the business enterprise that has the power to direct the activities of the VIE that most significantly impact the VIE's economic performance and either absorbs a significant amount of the VIE's losses or has the right to receive benefits that could be significant to the VIE.

The Companies enter into arrangements including leases, partnerships and electricity purchase agreements, with various entities. As a result of these arrangements, the Companies retain or may retain a variable interest in these entities.

CECONY

CECONY has an ongoing long-term electricity purchase agreement with Brooklyn Navy Yard Cogeneration Partners, LP, a potential VIE. In April 2017, CECONY's long-term electricity purchase agreement with Cogen Technologies Linden Venture, LP, another potential VIE, expired. In 2017, requests were made of these counterparties for information necessary to determine whether the entity was a VIE and whether CECONY is the primary beneficiary; however, the information was not made available. See Note I for information on these electricity purchase agreements, the payments pursuant to which constitute CECONY's maximum exposure to loss with respect to the potential VIEs.

Con Edison Development

Con Edison has a variable interest in OCI Solar San Antonio 4 LLC (Texas Solar 4), which is a consolidated entity in which Con Edison Development has an 80 percent membership interest. Con Edison is the primary beneficiary since the power to direct the activities that most significantly impact the economics of Texas Solar 4 is held by Con Edison Development. Texas Solar 4 owns a project company that developed a 40 MW (AC) solar electric production project in Texas. Electricity generated by the project is sold to the City of San Antonio pursuant to a long-term power purchase agreement. At December 31, 2017 and 2016, Con Edison's consolidated balance sheet includes \$26 million and \$54 million in net assets (as detailed in the table below) respectively and the noncontrolling interest of the third party of \$7 million related to Texas Solar 4. Earnings for the years ended December 31, 2017 and 2016 were immaterial.

(Millions of Dollars)	2017	2016
Restricted cash	\$5	\$8
Non-utility property, less accumulated depreciation of \$12 and \$9, respectively	101	104
Other assets	8	43
Total assets (a)	\$114	\$155
Long-term debt due within one year	\$2	\$3
Other liabilities	28	38
Long-term debt	58	60
Total liabilities (b)	\$88	\$101

(a) The assets of Texas Solar 4 represent assets of a consolidated VIE that can be used only to settle obligations of the consolidated VIE.

(b) The liabilities of Texas Solar 4 represent liabilities of a consolidated VIE for which creditors do not have recourse to the general credit of the primary beneficiary.

The following table summarizes the VIEs in which Con Edison Development has entered into as of December 31, 2017:

Project Name (a)	Generating Capacity (b) (MW AC)	Power Purchase Agreement Term in Years	Year of Initial Investment	Location	Maximum Exposure to Loss (Millions of Dollars) (c)
Copper Mountain Solar 3	128	20	2014	Nevada	\$175
Mesquite Solar 1	83	20	2013	Arizona	103
Copper Mountain Solar 2	75	25	2013	Nevada	82
California Solar	55	25	2012	California	63
Broken Bow II	38	25	2014	Nebraska	44
Texas Solar 4	32	25	2014	Texas	19

With the exception of Texas Solar 4, Con Edison's ownership interest is 50 percent and these projects are accounted for using the equity method of accounting. With the exception of Texas Solar 4, Con Edison is not the primary beneficiary since the power to direct the activities that most significantly impact the economics of the entities are (a) shared equally between Con Edison Development and third parties. Con Edison's ownership interest in Texas Solar 4 is 80 percent and is consolidated in the financial statements. Con Edison is the primary beneficiary since the power to direct the activities that most significantly impact the economics of Texas Solar 4 is held by Con Edison Development.

(b) Represents Con Edison Development's ownership interest in the project.

For investments accounted for under the equity method, maximum exposure is equal to the carrying value of the investment on the consolidated balance sheet. For consolidated investments, such as Texas Solar 4, maximum (c) exposure is equal to the net assets of the project on the consolidated balance sheet less any applicable noncontrolling interest (\$7 million for Texas Solar 4). Con Edison did not provide any financial or other support during the year that was not previously contractually required.

Note R – Asset Retirement Obligations

The Companies recognize a liability at fair value for legal obligations associated with the retirement of long-lived assets in the period in which they are incurred, or when sufficient information becomes available to reasonably estimate the fair value of such legal obligations. When the liability is initially recorded, asset retirement costs are capitalized by increasing the carrying amount of the related asset. The liability is accreted to its present value each period and the capitalized cost is depreciated over the useful life of the related asset. The fair value of the asset retirement obligation liability is measured using expected future cash flows discounted at credit-adjusted risk-free rates, historical information, and where available, quoted prices from outside contractors. The Companies evaluate these assumptions underlying the asset retirement obligation liability on an annual basis or as frequently as needed. The Companies recorded asset retirement obligations associated with the removal of asbestos and asbestos-containing material in their buildings (other than the structures enclosing generating stations and substations), electric equipment and steam and gas distribution systems. The Companies also recorded asset retirement obligations relating to gas and oil pipelines abandoned in place and municipal infrastructure support.

The Companies did not record an asset retirement obligation for the removal of asbestos associated with the structures enclosing generating stations and substations. For these building structures, the Companies were unable to reasonably estimate their asset retirement obligations because the Companies were unable to estimate the undiscounted retirement costs or the retirement dates and settlement dates. The amount of the undiscounted retirement costs could vary considerably depending on the disposition method for the building structures, and the method has not been determined. The Companies anticipate continuing to use these building structures in their businesses for an indefinite period, and so the retirement dates and settlement dates are not determinable.

Con Edison recorded asset retirement obligations for the removal of the Clean Energy Businesses' solar and wind equipment related to projects located on property that is not owned by them and the term of the arrangement is finite including any renewal options. Con Edison did not record asset retirement obligations for the Clean Energy

Businesses' projects that are located on property that is owned by them because they expect that the equipment will continue to generate electricity at these facilities long past the manufacturer's warranty at minimal operating expense. Therefore, Con Edison was unable to reasonably estimate the retirement date of this equipment.

The Utilities include in depreciation rates the estimated removal costs, less salvage, for utility plant assets. The amounts related to removal costs that are associated with asset retirement obligations are classified as an asset retirement liability. Pursuant to accounting rules for regulated operations, future removal costs that do not represent legal asset retirement obligations are recorded as regulatory liabilities. Accretion and depreciation expenses related to removal costs that represent legal asset retirement obligations are applied against the Companies' regulatory liabilities. Asset retirement costs that are recoverable from customers are recorded as regulatory liabilities to reflect the timing difference between costs recovered through the rate-making process and recognition of costs.

154 CON EDISON ANNUAL REPORT 2017

At December 31, 2017, the liabilities for asset retirement obligations of Con Edison and CECONY were \$314 million and \$287 million, respectively. At December 31, 2016, the liabilities for asset retirement obligations of Con Edison and CECONY were \$246 million and \$227 million, respectively. The change in liabilities at December 31, 2017 was due to changes in estimated cash flows of \$98 million and \$91 million for Con Edison and CECONY, respectively, and accretion expense of \$10 million and \$9 million for Con Edison and CECONY, respectively. The changes were offset by liabilities settled of \$40 million for both Con Edison and CECONY. Con Edison and CECONY also recorded reductions of \$36 million and \$37 million during the years ended December 31, 2017 and 2016, respectively, to the regulatory liability associated with cost of removal to reflect depreciation and interest expense.

Note S – Related Party Transactions

CECONY provides administrative and other services to, and receives such services from, Con Edison and its other subsidiaries pursuant to cost allocation procedures approved by the NYSPSC. The costs of administrative and other services provided by CECONY to, and received by it from, Con Edison and its other subsidiaries for the years ended December 31, 2017, 2016 and 2015 were as follows:

	CECONY		
(Millions of Dollars)	2017	2016	2015
Cost of services provided	\$111	\$108	\$99
Cost of services received	64	64	60

In addition, CECONY and O&R have joint gas supply arrangements, in connection with which CECONY sold to O&R \$66 million, \$47 million and \$54 million of natural gas for the years ended December 31, 2017, 2016 and 2015, respectively. These amounts are net of the effect of related hedging transactions.

The Utilities perform work and incur expenses on behalf of NY Transco, a company in which CET Electric has a 45.7 percent equity interest. The Utilities bill NY Transco for such work and expenses in accordance with established policies. For the year ended December 31, 2017 and 2016, the amounts billed by the Utilities to NY Transco were immaterial. In May 2016, CECONY transferred certain electric transmission projects to NY Transco. See Note U. CECONY has storage and wheeling service contracts with Stagecoach Gas Services LLC (Stagecoach), a joint venture formed by a subsidiary of CET Gas and a subsidiary of Crestwood Equity Partners LP (Crestwood). In addition, CECONY is the replacement shipper on one of Crestwood's firm transportation agreements with Tennessee Gas Pipeline Company LLC. From the inception of the joint venture in June 2016 through December 31, 2017, the amount of storage and wheeling services received by CECONY from Stagecoach was \$49 million. In addition, the Clean Energy Businesses entered into two electricity sales agreements with Stagecoach under which the amounts received in 2017 and 2016 were immaterial.

CECONY has a 20-year transportation contract with Mountain Valley Pipeline, LLC (MVP) for 250,000 dekatherms per day of capacity. CET Gas holds a 12.5 percent equity interest in MVP. In October 2017, the Environmental Defense Fund and the Natural Resource Defense Council requested the NYSPSC to prohibit CECONY from recovering costs under its MVP contract. For the year ended December 31, 2017, CECONY incurred no costs under the contract.

CECONY had a financial electric capacity contract with Con Edison Energy for the period May 2016 through April 2017. For the years ended December 31, 2017 and 2016, Con Edison Energy's realized gains under this contract were \$3 million and immaterial, respectively.

FERC has authorized CECONY through 2019 to lend funds to O&R from time to time, for periods of not more than 12 months, in amounts not to exceed \$250 million outstanding at any time, at prevailing market rates. There were no outstanding loans to O&R at December 31, 2017 and 2016.

Note T – New Financial Accounting Standards

In January 2018, the Companies adopted Accounting Standards Update (ASU) No. 2014-09, "Revenue from Contracts with Customers (Topic 606)," including the amendments thereto, (the New Standard) using the modified retrospective approach the New Standard permitted. The New Standard supersedes the revenue recognition requirements within Accounting Standards Codification Topic 605, "Revenue Recognition," and most industry-

specific guidance (the Superseded Standard). The purpose of the New Standard is to create a consistent framework for revenue recognition. The New Standard clarifies how to measure and recognize revenue arising from customer contracts to depict the transfer of goods or services in an amount that reflects the consideration the entity expects to receive. The New Standard also clarifies key areas including principal/agent considerations, performance obligations, licensing, sales taxes, noncash consideration, and contracts.

The majority of Con Edison's revenues and substantially all of CECONY's revenues are derived from the provision of electric, gas, and steam service to customers pursuant to the terms of tariffs approved by the NYSPSC or NJBPU. For such service, the Companies expect that the revenue from contracts with customers for a period that will be recorded under the New Standard will be equivalent to the revenue for the period that would have been recorded under the Superseded Standard. Most of Con Edison's other revenues are derived from the Clean Energy Businesses' sale of energy-related products and services, operation of renewable and energy infrastructure projects, and sale of renewable energy credits. For such businesses, Con Edison expects that the revenue from contracts with customers for a period that will be recorded under the New Standard will not be materially different from the revenue for the period that would have been recorded under the Superseded Standard.

Under the modified retrospective method of adoption, prior year reported results are not restated and a cumulative-effect adjustment, if applicable, is recorded to retained earnings at January 1, 2018. As of January 1, 2018, the cumulative-effect adjustment was not material to the Companies. The Companies also plan to use certain practical expedients including applying this guidance to open contracts at the date of adoption and recognizing revenues for certain contracts under the invoice practical expedient. Such expedients allow revenue recognition to be consistent with invoiced amounts (including estimated billings) provided certain criteria are met, including consideration of whether the invoiced amounts reasonably represent the value provided to customers.

The adoption of the New Standard will not have a material impact on the Companies' financial statements, results of operations, and liquidity, including the presentation of revenues in their consolidated income statements. The adoption of the New Standard will not require a change in the Companies' internal control over financial reporting that is reasonably likely to materially affect their internal control over financial reporting.

In February 2016, the FASB issued amendments on financial reporting of leasing transactions through ASU No. 2016-02, "Leases (Topic 842)." The amendments require lessees to recognize assets and liabilities on the balance sheet and disclose key information about leasing arrangements. Lessees will need to recognize a right-of-use asset and a lease liability for virtually all of their leases (other than leases that meet the definition of a short-term lease). Lessor accounting is similar to the current model, but updated to align with certain changes to the lessee model. For income statement purposes, the pattern of expense recognition will depend on whether transactions are designated as operating leases or finance leases. In January 2018, the FASB issued amendments on the lease standard's application to land easements through ASU No. 2018-01, "Leases (Topic 842): Land Easement Practical Expedient for Transition to Topic 842." The amendments allow an entity to not evaluate under Topic 842 land easements that exist or expired before the entity's adoption of Topic 842 and that were not previously accounted for as leases under the current lease standard. The amendments are effective for reporting periods beginning after December 15, 2018. Early adoption is permitted. The amendments must be adopted using a modified retrospective transition and provide for certain practical expedients. Based on the existing portfolio of leases at implementation, for leases currently classified as operating leases, the Companies expect to recognize on the statements of financial position right-of-use assets and lease liabilities. The Companies are in the process of evaluating the potential impact of the new guidance on the Companies' results of operations and liquidity.

In January 2017, the FASB issued amendments to the guidance for Business Combinations through ASU 2017-01, "Business Combinations (Topic 805): Clarifying the Definition of a Business." The amendments in this update clarify the definition of a business and provide guidance on evaluating whether transactions should be accounted for as

acquisitions (or disposals) of assets or businesses. For public entities, the amendments are effective for reporting periods beginning after December 15, 2017. The application of this guidance is not expected to have a material impact on the Companies' financial position, results of operations and liquidity.

In January 2017, the FASB issued amendments to the guidance for the subsequent measurement of goodwill through ASU 2017-04, "Intangibles-Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment." The amendments in this update simplify goodwill impairment testing by eliminating Step 2 of the goodwill impairment test wherein an entity has to compute the implied fair value of goodwill by performing procedures to

156CON EDISON ANNUAL REPORT 2017

determine the fair value of its assets and liabilities. Under the new guidance, an entity should recognize an impairment charge for the amount by which the carrying amount exceeds the reporting unit's fair value up to the total amount of goodwill allocated to that reporting unit. For public entities, the amendments are effective for reporting periods beginning after December 15, 2019. Early adoption is permitted. The application of this guidance is not expected to have a material impact on the Companies' financial position, results of operations and liquidity.

In February 2017, the FASB issued amendments to the guidance for other income through ASU 2017-05, "Other Income-Gains and Losses from the Derecognition of Nonfinancial Assets (Subtopic 610-20): Clarifying the Scope of Asset Derecognition Guidance and Accounting for Partial Sales of Nonfinancial Assets." The amendments in this update clarify the scope of assets within Subtopic 610-20 and add guidance for partial sales of nonfinancial assets. The amendments are effective upon the adoption of ASU 2014-09, and therefore will be effective for reporting periods beginning after December 15, 2017. The application of this guidance is not expected to have a material impact on the Companies' financial position, results of operations and liquidity.

In March 2017, the FASB issued amendments to the guidance for retirement benefits through ASU 2017-07, "Compensation-Retirement Benefits (Topic 715): Improving the Presentation of Net Periodic Pension Cost and Net Periodic Postretirement Benefit Cost." The amendments in this update modify the presentation of net benefit cost, where the service component must be disaggregated from the other components of net benefit cost and be presented in the same line item as current employee compensation costs. The remaining components of the net benefit cost should be presented outside of income from operations. Additionally, the update allows only the service cost component to be eligible for capitalization. For public entities, the amendments are effective for reporting periods beginning after December 15, 2017. The guidance allows a practical expedient that permits the use of amounts disclosed in prior-period financial statements as appropriate estimates when applying the presentation requirements retrospectively. The Companies have elected to use the practical expedient under ASU 2017-07. The application of this guidance is not expected to have a material impact on the Companies' financial position, results of operations and liquidity.

In March 2017, the FASB issued amendments to the guidance for debt securities through ASU 2017-08, "Receivables-Nonrefundable Fees and Other Costs (Subtopic 310-20): Premium Amortization on Purchased Callable Debt Securities." The amendments in this update shorten the amortization period for certain callable debt securities held at a premium. The amendments do not require an accounting change for securities held at a discount; the discount continues to be amortized to maturity. For public entities, the amendments are effective for reporting periods beginning after December 15, 2018. Early adoption is permitted. The application of this guidance is not expected to have a material impact on the Companies' financial position, results of operations and liquidity.

In May 2017, the FASB issued amendments to the guidance for stock compensation through ASU 2017-09, "Compensation-Stock Compensation (Topic 718): Scope of Modification Accounting." The amendments in this update specify that changes to value, vesting conditions, or classification of an existing share-based payment award require application of modification accounting in Topic 718. For public entities, the amendments are effective for reporting periods beginning after December 15, 2017. The application of this guidance is not expected to have a material impact on the Companies' financial position, results of operations and liquidity.

In August 2017, the FASB issued amendments to the guidance for derivatives and hedging through ASU 2017-12, "Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities." The amendments in this update provide greater clarification on hedge accounting for risk components, presentation and disclosure of hedging instruments, and overall targeted improvements to simplify hedge accounting. For public entities, the amendments are effective for reporting periods beginning after December 15, 2018. Early adoption is permitted. The Companies are in the process of evaluating the potential impact of the new guidance on the Companies' financial position, results of operations and liquidity.

In February 2018, the FASB issued amendments to the guidance for reporting comprehensive income through ASU 2018-02, "Income Statement-Reporting Comprehensive Income (Topic 220): Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income." The amendments allow a reclassification from accumulated other comprehensive income to retained earnings for stranded tax effects resulting from the TCJA. For public entities, the amendments are effective for reporting periods beginning after December 15, 2018. Early adoption is permitted. The Companies are in the process of evaluating the potential impact of the new guidance on the Companies' financial position, results of operations and liquidity.

CON EDISON ANNUAL REPORT 2017 157

Note U – Acquisitions, Investments and Dispositions
Acquisitions and Investments

Texas Solar 7

In January 2016, Con Edison Development acquired a 100 percent equity interest in a company that is the owner of a 106 MW (AC) solar electric production project in Texas (Texas Solar 7) for \$227 million, as to which \$218 million was recorded as non-utility construction work in progress and the remaining \$9 million was recorded as other receivables. The project commenced commercial operation in the third quarter of 2016. The project has been financed, in part, by debt secured by the project. Electricity generated by this project is to be purchased by the City of San Antonio pursuant to a long-term power purchase agreement. At December 31, 2017 and 2016, net assets of the project were approximately \$137 million and \$127 million, respectively, (including \$41 million for an intangible asset pertaining to the value of the power purchase agreement). Con Edison's equity interest in Texas Solar 7 is consolidated in the financial statements.

Mountain Valley Pipeline

In January 2016, CET Gas acquired a 12.5 percent equity interest in MVP, a company developing a proposed gas transmission project in West Virginia and Virginia. The company's initial contribution to MVP was \$18 million. At December 31, 2017 and 2016, CET Gas' investment in MVP was \$98 million and \$48 million, respectively. MVP has indicated that the project has an estimated total cost of \$3,000 million to \$3,500 million and is targeted to be fully in-service during the fourth quarter of 2018. Con Edison is accounting for its equity interest in MVP as an equity method investment.

NY Transco

In May 2016, CECONY transferred certain electric transmission projects to NY Transco, a company in which CET Electric has a 45.7 percent equity interest, for a purchase price of \$122 million and an \$8 million payment for associated easement rights. At December 31, 2017 and 2016, CET Electric's investment in NY Transco was \$53 million and \$51 million, respectively. Con Edison is accounting for its equity interest in NY Transco as an equity method investment.

Stagecoach Gas Services

In April 2016, a CET Gas subsidiary agreed with a subsidiary of Crestwood to form a joint venture to own, operate and further develop existing gas pipeline and storage businesses located in northern Pennsylvania and southern New York. The transaction was substantially completed in June 2016, and the remainder was completed in November 2016. Crestwood contributed businesses to a new entity, Stagecoach, and the CET Gas subsidiary contributed \$974 million for a 50 percent equity interest in Stagecoach. At December 31, 2017 and 2016, CET Gas' investment in Stagecoach was \$971 million and \$992 million, respectively. Con Edison is accounting for its equity interest in Stagecoach as an equity method investment.

Pilesgrove

In June 2016, Con Edison Development recorded an \$8 million (\$5 million, net of taxes) impairment charge on its 50 percent equity interest in Pilesgrove Solar, LLC (Pilesgrove), which owns an 18 MW (AC) solar electric production project in New Jersey. In August 2016, Con Edison Development acquired the remaining 50 percent equity interest in Pilesgrove for a purchase price of approximately \$16 million and recorded a bargain purchase gain of \$8 million (\$5 million, net of taxes); \$45 million was recorded as non-utility property and the remaining \$3 million was recorded as current assets. The impairment charge and bargain purchase gain are included in Investment and other income on Con Edison's consolidated income statement. At December 31, 2017 and 2016, net assets of the project were approximately \$45 million. Con Edison's equity interest in Pilesgrove is consolidated in the financial statements.

Panoche Valley

In October 2016, Con Edison Development, which owned a 50 percent equity interest, acquired the remaining 50 percent equity interest in Panoche Holdings, LLC (Panoche), which is developing a 240 MW (AC) solar electric production project in California, for cash consideration of \$28 million and the release of Panoche from its obligation under a \$242 million note payable to Con Edison Development. At the time of acquisition, \$290 million was recorded as non-utility construction work in process, \$22 million was recorded as other assets and \$14 million was

158 CON EDISON ANNUAL REPORT 2017

recorded as current liabilities. A part of the project commenced commercial operation in December 2017. At December 31, 2017 and 2016, net assets of the project were approximately \$435 million and \$388 million, respectively. Con Edison's equity interest in Panoche is consolidated in the financial statements.

Coram Wind

In December 2016, Con Edison Development acquired a 100 percent equity interest in Coram California Development, LP (Coram), which owns a 102 MW (AC) wind electric production project in California for \$97 million, as to which \$191 million was recorded as non-utility property, \$78 million was recorded as an intangible asset, \$8 million of restricted cash was recorded as other current assets, and \$180 million was recorded as long term debt. In December 2017, an increase of \$22 million was recorded to the intangible asset and a corresponding decrease was recorded to non-utility property. The intangible asset pertains to the value of the project's power purchase agreement, relative to current market rates, and is being amortized over the life of the agreement. The project commenced commercial operation in March 2012. At December 31, 2017 and 2016, net assets of the project were approximately \$87 million and \$96 million, respectively. Con Edison's equity interest in Coram is consolidated in the financial statements.

Dispositions

Pike County Light & Power Company (Pike)

In October 2015, O&R entered into an agreement to sell Pike to Corning Natural Gas Holding Corporation (Corning). In August 2016, the sale was completed. O&R received cash consideration of \$15 million for the sale. O&R has agreed to provide transition services to Corning for operations and customer support for a period of up to 18 months subsequent to the sale. In addition, O&R will continue to purchase and sell to Pike electric and gas commodity for three years. Pike has an option to extend the commodity procurement service for up to an additional three years. At September 30, 2015, O&R recorded an impairment charge of \$5 million (\$3 million, net of taxes), representing the difference between the carrying amount of Pike's assets and the estimated sales proceeds.

Con Edison Solutions' Retail Electric Supply Business

In July 2016, Con Edison Solutions entered into an agreement to sell the assets of its retail electric supply business (including retail contracts, related derivative instruments, information systems, and accounts receivable) to a subsidiary of Exelon Corporation (Exelon). In September 2016, the sale was completed for cash consideration of \$235 million, subject to working capital adjustments. The sale resulted in a gain of \$104 million (\$56 million, net of taxes), inclusive of a \$65 million (\$42 million, net of taxes) gain on derivative instruments. The tax effect of the sale included \$16 million (\$10 million, net of federal tax) of state taxes related to a change in the apportionment of state income taxes. Con Edison Solutions provided transition services to the Exelon subsidiary for operations and customer support through January 2018 during a portion of which period certain guarantees or other credit support provided by Con Edison in connection with the retail electric supply business continued in effect. See Note H.

Upton 2

In May 2017, Con Edison Development sold Upton 2, a development stage solar electric production project, for \$11 million to Vistra Asset Co. and recorded a \$1 million gain on sale (\$0.7 million, net of taxes). In addition, Con Edison Development agreed to perform the engineering, procurement and construction for the 180 MW (AC) project, which is expected to be substantially completed in 2018.

Schedule I

Condensed Financial Information of Consolidated Edison, Inc. (a)
 Condensed Statement of Income and Comprehensive Income
 (Parent Company Only)

(Millions of Dollars, except per share amounts)	For the Years Ended		
	December 31,		
	2017	2016	2015
Equity in earnings of subsidiaries	\$1,544	\$1,254	\$1,195
Other income (deductions), net of taxes	31	32	27
Interest expense	(50)	(41)	(29)
Net Income	\$1,525	\$1,245	\$1,193
Comprehensive Income	\$1,526	\$1,252	\$1,204
Net Income Per Share – Basic	\$4.97	\$4.15	\$4.07
Net Income Per Share – Diluted	\$4.94	\$4.12	\$4.05
Dividends Declared Per Share	\$2.76	\$2.68	\$2.60
Average Number Of Shares Outstanding—Basic (In Millions)	307.1	300.4	293.0
Average Number Of Shares Outstanding—Diluted (In Millions)	308.8	301.9	294.4

(a) These financial statements, in which Con Edison's subsidiaries have been included using the equity method, should be read together with its consolidated financial statements and the notes thereto appearing above.

Condensed Financial Information of Consolidated Edison, Inc. (a)
 Condensed Statement of Cash Flows
 (Parent Company Only)

(Millions of Dollars)	For the Years Ended		
	December 31,		
	2017	2016	2015
Net Income	\$1,525	\$1,245	\$1,193
Equity in earnings of subsidiaries	(1,544)	(1,254)	(1,195)
Dividends received from:			
CECONY	796	744	872
O&R	44	43	81
Clean Energy Businesses	12	10	8
Con Edison Transmission	8	—	—
Change in Assets:			
Special deposits	—	—	—
Income taxes receivable	34	87	58
Other – net	21	(152)	(382)
Net Cash Flows from Operating Activities	896	723	635
Investing Activities			
Contributions to subsidiaries	(434)	(691)	(15)
Long term debt receivable from affiliated companies	—	(900)	—
Net Cash Flows Used in Investing Activities	(434)	(1,591)	(15)
Financing Activities			
Net proceeds of short-term debt	(53)	(53)	162
Issuance of long-term debt	400	900	—
Retirement of long-term debt	(402)	(2)	(2)
Debt issuance costs	(2)	(5)	—
Issuance of common shares for stock plans, net of repurchases	51	51	1
Issuance of common shares - public offering	343	702	—
Common stock dividends	(803)	(763)	(733)
Net Cash Flows Used in Financing Activities	(466)	830	(572)
Net Change for the Period	(4)	(38)	48
Balance at Beginning of Period	13	51	3
Balance at End of Period	\$9	\$13	\$51

(a) These financial statements, in which Con Edison's subsidiaries have been included using the equity method, should be read together with its consolidated financial statements and the notes thereto appearing above.

Condensed Financial Information of Consolidated Edison, Inc. (a)
 Condensed Balance Sheet
 (Parent Company Only)

(Millions of Dollars)	December 31,	
	2017	2016
Assets		
Current Assets		
Cash and temporary cash investments	\$9	\$13
Income taxes receivable	45	79
Accounts receivable from affiliated companies	687	702
Prepayments	36	24
Other current assets	18	19
Total Current Assets	795	837
Investments in subsidiaries	15,110	13,991
Goodwill	406	406
Deferred income tax	18	42
Long term debt receivable from affiliated companies	900	900
Other noncurrent assets	2	16
Total Assets	\$17,231	\$16,192
Liabilities and Shareholders' Equity		
Current Liabilities		
Long-term debt due within one year	\$2	\$2
Notes payable	331	384
Accounts payable to affiliated companies	274	288
Other current liabilities	10	22
Total Current Liabilities	617	696
Total Liabilities	617	696
Long-term debt	1,195	1,198
Shareholders' Equity		
Common stock, including additional paid-in capital	6,331	5,887
Retained earnings	9,088	8,411
Total Shareholders' Equity	15,419	14,298
Total Liabilities and Shareholders' Equity	\$17,231	\$16,192

(a) These financial statements, in which Con Edison's subsidiaries have been included using the equity method, should be read together with its consolidated financial statements and the notes thereto appearing above.

Schedule II

Valuation and Qualifying Accounts

For the Years Ended December 31, 2017, 2016 and 2015

Company (Millions of Dollars)	COLUMN A Description	COLUMN B Balance at Beginning of Period	COLUMN C Additions		COLUMN D Deductions (b)	COLUMN E Balance At End of Period	
			(1) Charged To Costs And Expenses	(2) Charged To Other Accounts			
Con Edison	Allowance for uncollectible accounts (a):	2017	\$83	\$64	\$—	\$77	\$70
		2016	\$96	\$63	\$—	\$76	\$83
		2015	\$106	\$77	\$—	\$87	\$96
CECONY	Allowance for uncollectible accounts (a):	2017	\$78	\$60	\$—	\$73	\$65
		2016	\$91	\$57	\$—	\$70	\$78
		2015	\$98	\$69	\$—	\$76	\$91

(a) This is a valuation account deducted in the balance sheet from the assets (Accounts receivable - customers and Other receivables) to which they apply.

(b) Accounts written off less cash collections, miscellaneous adjustments and amounts reinstated as receivables previously written off.

Item 9: Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

Con Edison

None.

CECONY

None.

Item 9A: Controls and Procedures

The Companies maintain disclosure controls and procedures designed to provide reasonable assurance that the information required to be disclosed in the reports that they submit to the Securities and Exchange Commission (SEC) is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the SEC. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by an issuer in the reports that it files or submits under the Securities Exchange Act of 1934, as amended, is accumulated and communicated to the issuer's management, including its principal executive and principal financial officers, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. For each of the Companies, its management, with the participation of its principal executive officer and principal financial officer, has evaluated its disclosure controls and procedures as of the end of the period covered by this report and, based on such evaluation, has concluded that the controls and procedures are effective to provide such reasonable assurance. Reasonable assurance is not absolute assurance, however, and there can be no assurance that any design of controls or procedures would be effective under all potential future conditions, regardless of how remote.

For the Companies' Reports of Management On Internal Control Over Financial Reporting and the related opinions of PricewaterhouseCoopers LLP (presented in the Reports of Independent Registered Public Accounting Firm), see Item 8 of this report (which information is incorporated herein by reference).

There was no change in the Companies' internal control over financial reporting that occurred during the Companies' most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the Companies' internal control over financial reporting.

Item 9B: Other Information

Con Edison

None.

CECONY

None.

Part III

Item 10: Directors, Executive Officers and Corporate Governance

Item 11: Executive Compensation

Item 12: Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

Item 13: Certain Relationships and Related Transactions, and Director Independence

Item 14: Principal Accounting Fees and Services

Con Edison

Information required by Part III as to Con Edison, other than the information required in Item 12 of this report by Item 201(d) of Regulation S-K, is incorporated by reference from Con Edison's definitive proxy statement for its Annual Meeting of Stockholders to be held on May 21, 2018. The proxy statement is to be filed pursuant to Regulation 14A not later than 120 days after December 31, 2017, the close of the fiscal year covered by this report.

The information required pursuant to Item 201(d) of Regulation S-K as at December 31, 2017 is as follows:

Equity Compensation Plan Information

Plan category	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted-average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (1))
	(1)	(2)	(3)
Equity compensation plans approved by security holders			
2003 LTIP (a)	334,025	—	—
2013 LTIP (b)	1,401,697	—	3,333,701
Stock Purchase Plan (c)	—	—	7,346,946
Total equity compensation plans approved by security holders	1,735,722	—	10,680,647
Total equity compensation plans not approved by security holders	3,000	(d) —	—
Total	1,738,722	—	10,680,647

The number of shares of Con Edison common stock that may be issued pursuant to outstanding awards under the Long Term Incentive Plan approved by the company's shareholders in 2003 (the "2003 LTIP") include: (A) 211,977 shares for stock unit awards made prior to 2013 that have vested and for which the receipt of shares was deferred (a) and (B) 122,048 shares covered by outstanding directors' deferred stock unit awards (which vested upon grant).

Amounts do not include shares that may be issued pursuant to any dividend reinvestment in the future on the deferred stock units. There is no dividend reinvestment on the other outstanding awards. Outstanding awards had no exercise price. No new awards may be made under the 2003 LTIP.

(b) The number of shares of Con Edison common stock that may be issued pursuant to outstanding awards under the Long Term Incentive Plan approved by the company's shareholders in 2013 (the "2013 LTIP") include:

(A) outstanding awards made in 2014 and subsequent years (1,183,364 shares for performance restricted stock

units and 64,870 shares for time-based restricted stock units); (B) 153,463 shares covered by outstanding directors' deferred stock unit awards (which vested upon grant). Amounts do not include shares that may be issued pursuant to any dividend reinvestment in the future on the deferred stock units. There is no dividend reinvestment on the other outstanding awards. The outstanding awards had no exercise price. No new awards may be made under the 2013 LTIP after May 20, 2023.

(c) Shares of Con Edison common stock may be issued under the Stock Purchase Plan until May 19, 2024 (which is 10 years after the date of the annual meeting at which Con Edison's shareholders approved the plan).

This amount represents shares to be issued to an officer who had elected to defer receipt of these shares until (d) separation from service or later. These shares are issuable pursuant to awards of restricted stock units made in 2000, which vested in 2004.

For additional information about Con Edison's stock-based compensation, see Note M to the financial statements in Item 8 of this report (which information is incorporated herein by reference).

In accordance with General Instruction G(3) to Form 10-K, other information regarding Con Edison's Executive Officers may be found in Part I of this report under the caption "Executive Officers of the Registrant."

CECONY

Information required by Items 10, 11, 12 and 13 of Part III as to CECONY is omitted pursuant to Instruction (I)(2) to Form 10-K (Omission of Information by Certain Wholly-Owned Subsidiaries).

Fees paid or payable by CECONY to its principal accountant, PricewaterhouseCoopers LLP, for services related to 2017 and 2016 are as follows:

	2017	2016
Audit fees	\$3,664,793	\$3,576,897
Audit-related fees (a)	739,834	516,786
Tax fees (b)	—	25,000
Total fees	\$4,404,627	\$4,118,683

Relates to assurance and related service fees that are reasonably related to the performance of the annual audit or (a) quarterly reviews of the company's financial statements that are not specifically deemed "Audit Services." The major items included in audit-related fees in 2017 and 2016 are fees related to reviews of system implementations.

(b) The fees in 2016 were for tax compliance reporting relating to the Foreign Account Tax Compliance Act.

Con Edison's Audit Committee or, as delegated by the Audit Committee, the Chair of the Committee, approves in advance each auditing service and non-audit service permitted by applicable laws and regulations, including tax services, to be provided to CECONY by its independent accountants.

166CON EDISON ANNUAL REPORT 2017

Part IV

Item 15: Exhibits and Financial Statement Schedules

(a) Documents filed as part of this report:

1. List of Financial Statements – See financial statements listed in Item 8.
2. List of Financial Statement Schedules – See schedules listed in Item 8.
3. List of Exhibits

Exhibits listed below which have been filed previously with the Securities and Exchange Commission pursuant to the Securities Act of 1933 and the Securities Exchange Act of 1934, and which were designated as noted below, are hereby incorporated by reference and made a part of this report with the same effect as if filed with the report.

Exhibits listed below that were not previously filed are filed herewith.

Con Edison

- 3.1.1 Restated Certificate of Incorporation of Consolidated Edison, Inc. (Con Edison).
- 3.1.2 By-laws of Con Edison, effective as of February 16, 2017. (Designated in Con Edison's Current Report on Form 8-K, dated February 16, 2017 (File No. 1-14514) as Exhibit 3.1)
- 4.1.1.1 Indenture, dated as of April 1, 2002, between Con Edison and JP Morgan Chase Bank (formerly known as The Chase Manhattan Bank), as Trustee. (Designated in the Registration Statement on Form S-3 of Con Edison (No. 333-102005) as Exhibit 4.1)
- 4.1.1.2 Form of CEI's 2.00% Debentures, Series 2016 A. (Designated in CEI's Current Report on Form 8-K, dated May 10, 2016 (File No. 1-14514) as Exhibit 4)
- 4.1.1.3 Form of CEI's 2.00% Debentures, Series 2017 A. (Designated in CEI's Current Report on Form 8-K, dated March 2, 2017 (File No. 1-4514) as Exhibit 4)
- 4.1.2 Note Assumption and Exchange Agreement, dated as of June 20, 2008, between Con Edison and the institutional investors listed in Schedule I thereto. (Designated in Con Edison's Current Report on Form 8-K, dated June 20, 2008 (File No. 1-14514) as Exhibit 4)
- 10.1.1.1 Credit Agreement, dated as of December 7, 2016, among CECONY, Con Edison, O&R, the lenders party thereto and Bank of America, N.A., as Administrative Agent. (Designated in Con Edison's Current Report on Form 8-K dated December 7, 2016 (File No. 1-14514) as Exhibit 10)
- 10.1.1.2 Extension Agreement, dated as of January 8, 2018, among CECONY, Con Edison, O&R, the lenders party thereto and Bank of America, N.A., as Administrative Agent. (Designated in Con Edison's Current Report on Form 8-K dated January 8, 2018 (File No. 1-14514) as Exhibit 10)
- 10.1.2.1 Severance Program for Officers of Consolidated Edison, Inc. and its Subsidiaries, as amended, effective as of January 1, 2008. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2008 (File No. 1-14514) as Exhibit 10.1.3)
- 10.1.2.2 Amendment #1, dated December 19, 2012, to the Severance Program for Officers of Consolidated Edison, Inc. and its Subsidiaries. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2012 (File No. 1-14514) as Exhibit 10.1.4.2)
- 10.1.3.1 The Consolidated Edison, Inc. Stock Purchase Plan, as amended and restated as of May 19, 2014. (Designated in Con Edison's Current Report on Form 8-K dated May 19, 2014 (File No. 1-14514) as Exhibit 10)
- 10.1.3.2 Amendment One to The Consolidated Edison, Inc. Stock Purchase Plan. (Designated in Con Edison's Current Report on Form 10-K for the year ended December 31, 2016 (File No. 1-14514) as Exhibit 10.1.3.2)
- 10.1.4.1 The Consolidated Edison Retirement Plan. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2014 (File No. 1-14514) as Exhibit 10.1.4)
- 10.1.4.2 Amendment, dated December 18, 2017, to the Consolidated Edison Retirement Plan

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

- 10.1.5.1 The Consolidated Edison Thrift Plan. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2014 (File No. 1-14514) as Exhibit 10.1.5)
- 10.1.5.2 Amendment, dated June 13, 2016, to the Consolidated Edison Thrift Savings Plan. (Designated in Con Edison's Quarterly Report on Form 10-Q for the year quarterly period ended June 30, 2016 (File No. 1-14514) as Exhibit 10.1)
- 10.1.5.3 Amendment, dated December 18, 2017, to the Consolidated Edison Thrift Savings Plan
- 10.1.6.1 Consolidated Edison, Inc. Long Term Incentive Plan (2003), as amended and restated effective as of December 26, 2012. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2012 (File No. 1-14514) as Exhibit 10.1.8.10)
- 10.1.6.2 Form of Restricted Stock Unit Award under the Con Edison Long Term Incentive Plan. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2008 (File No. 1-14514) as Exhibit 10.1.7.2)
- 10.1.6.3 Form of Restricted Stock Unit Award for Officers under the Con Edison Long Term Incentive Plan. (Designated in Con Edison's Quarterly Report on Form 10-Q for the year quarterly period ended March 31, 2011 (File No. 1-14514) as Exhibit 10.1)

168 CON EDISON ANNUAL REPORT 2017

- 10.1.6.4 Form of Stock Option Agreement under the Con Edison Long Term Incentive Plan. (Designated in Con Edison's Current Report on Form 8-K, dated January 24, 2005, (File No. 1-14514) as Exhibit 10.3)
- 10.1.6.5 Amendment Number 1, effective July 1, 2010, to the Consolidated Edison, Inc. Long Term Incentive Plan, as amended and restated effective as of January 1, 2008. (Designated in Con Edison's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2010 as Exhibit 10.1)
- 10.1.6.6 Amendment Number 2, effective January 1, 2011, to the Consolidated Edison, Inc. Long Term Incentive Plan, as amended and restated effective as of January 1, 2008. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2010 (File No. 1-14514) as Exhibit 10.1.7.5)
- 10.1.7.1 Consolidated Edison, Inc. Long Term Incentive Plan. (Designated in Con Edison's Current Report on Form 8-K, dated May 20, 2013 (File No. 1-14514) as Exhibit 10)
- 10.1.7.2 Form of Performance Unit Award for Officers under the Consolidated Edison, Inc. Long Term Incentive Plan. (Designated in Con Edison's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2013 (File No. 1-14514) as Exhibit 10.1.2)
- 10.1.7.3 Form of Performance Unit Award for Certain Specified Officers under the Consolidated Edison, Inc. Long Term Incentive Plan. (Designated in Con Edison's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2014 (File No. 1-14514) as Exhibit 10.1)
- 10.1.7.4 Amendment No. 1 to the Consolidated Edison, Inc. Long Term Incentive Plan. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2016 (File No. 1-14514) as Exhibit 10.1.7.4)
- 10.1.7.5 Amendment No. 2 to the Consolidated Edison, Inc. Long Term Incentive Plan. (Designated in Con Edison's Annual Report on Form 10-K for the year ended December 31, 2016 (File No. 1-14514) as Exhibit 10.1.7.5)
- 10.1.8 Description of Directors' Compensation, effective as of December 31, 2017.
- 10.1.9 Letter, dated February 23, 2004, to Robert Hoglund. (Designated in Con Edison's Current Report on Form 8-K, dated July 21, 2005, (File No. 1-14514) as Exhibit 10.5)
- 10.1.10 Employment offer letter, dated November 21, 2013 to John McAvoy. (Designated in Con Edison's Current Report on Form 8-K, dated November 21, 2013 (File No. 1-14514) as Exhibit 10)
- 10.1.11 Contribution Agreement, dated as of April 20, 2016, by and between Crestwood Pipeline and Storage Northeast LLC and Con Edison Gas Pipeline and Storage Northeast, LLC. (Designated in CEI's Current Report on Form 8-K, dated April 20, 2016 (File No. 1-14514) as Exhibit 10)
- 12.1 Statement of computation of Con Edison's ratio of earnings to fixed charges for the years 2013 – 2017
- 21.1 Subsidiaries of Con Edison.
- 23.1 Consent of PricewaterhouseCoopers LLP

31.1.1 Rule 13a-14(a)/15d-14(a) Certifications – Chief Executive Officer

31.1.2 Rule 13a-14(a)/15d-14(a) Certifications – Chief Financial Officer

32.1.1 Section 1350 Certifications – Chief Executive Officer

32.1.2 Section 1350 Certifications – Chief Financial Officer

101.INS XBRL Instance Document

101.SCH XBRL Taxonomy Extension Schema

101.CAL XBRL Taxonomy Extension Calculation Linkbase

101.DEF XBRL Taxonomy Extension Definition Linkbase

101.LAB XBRL Taxonomy Extension Label Linkbase

101.PRE XBRL Taxonomy Extension Presentation Linkbase

Pursuant to Item 601(b)(4)(iii)(A) of Regulation S-K, instruments defining the rights of holders of long-term debt of Con Edison's subsidiaries other than CECONY, the total amount of which does not exceed ten percent of the total assets of Con Edison and its subsidiaries on a consolidated basis, are not filed as exhibits to Con Edison's Form 10-K or Form 10-Q. Con Edison agrees to furnish to the SEC upon request a copy of any such instrument.

CON EDISON ANNUAL REPORT 2017 169

CECONY

3.2.1.1 Restated Certificate of Incorporation of CECONY filed with the Department of State of the State of New York on December 31, 1984.

3.2.1.2 The certificates of amendment of Restated Certificate of Incorporation of CECONY filed with the Department of State of the State of New York on the following dates: May 16, 1988; June 2, 1989; April 28, 1992; August 21, 1992 and February 18, 1998.

3.2.2 By-laws of CECONY, effective January 18, 2018.

4.2.1 Participation Agreement, dated as of July 1, 1999, between New York State Energy Research and Development Authority (NYSERDA) and CECONY.

4.2.2 Participation Agreement, dated as of November 1, 2010, between NYSEDA and CECONY. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2010 (File No. 1-1217) as Exhibit 4.2.2)

4.2.3 Participation Agreement, dated as of November 1, 2001, between NYSEDA and CECONY. (Designated in CECONY's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2001 (File No. 1-1217) as Exhibit 10.2.1)

4.2.4 Participation Agreement, dated as of January 1, 2004, between NYSEDA and CECONY. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2003 (File No. 1-1217) as Exhibit 4.2.6)

4.2.5 Participation Agreement, dated as of January 1, 2004, between NYSEDA and CECONY. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2003 (File No. 1-1217) as Exhibit 4.2.7)

4.2.6 Participation Agreement, dated as of November 1, 2004, between NYSEDA and CECONY. (Designated in CECONY's Current Report on Form 8-K, dated November 9, 2004 (File No. 1-1217) as Exhibit 4.1)

4.2.7 Participation Agreement, dated as of May 1, 2005, between NYSEDA and CECONY. (Designated in CECONY's Current Report on Form 8-K, dated May 25, 2005 (File No. 1-1217) as Exhibit 4.1)

4.2.8.1 Indenture of Trust, dated as of July 1, 1999 between NYSEDA and HSBC Bank USA, as trustee.

4.2.8.2 Supplemental Indenture of Trust, dated as of July 1, 2001, to Indenture of Trust, dated July 1, 1999 between NYSEDA and HSBC Bank USA, as trustee. (Designated in CECONY's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2001 (File No. 1-1217) as Exhibit 10.2.2)

4.2.9.1 Trust Indenture, dated as of November 1, 2010 between NYSEDA and The Bank of New York Mellon, as trustee. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2010 (File No. 1-1217) as Exhibit 4.2.9)

4.2.9.2 First Supplemental Indenture dated November 2, 2012 to the Trust Indenture dated as of November 1, 2010. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2012 (File No. 1-1217) as Exhibit 4.2.9.2)

- 4.2.10 Indenture of Trust, dated as of November 1, 2001, between NYSERDA and The Bank of New York, as trustee. (Designated in CECONY's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2001 (File No. 1-1217) as Exhibit 10.2.2)
- 4.2.11 Indenture of Trust, dated as of January 1, 2004, between NYSERDA and The Bank of New York. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2003 (File No. 1-1217) as Exhibit 4.2.12)
- 4.2.12 Indenture of Trust, dated as of January 1, 2004, between NYSERDA and The Bank of New York. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2003 (File No. 1-1217) as Exhibit 4.2.13)
- 4.2.13 Indenture of Trust, dated as of November 1, 2004, between NYSERDA and The Bank of New York. (Designated in CECONY's Current Report on Form 8-K, dated November 9, 2004 (File No. 1-1217) as Exhibit 4.2)
- 4.2.14.1 Indenture of Trust, dated as of May 1, 2005, between NYSERDA and The Bank of New York. (Designated in CECONY's Current Report on Form 8-K, dated May 25, 2005 (File No. 1-1217) as Exhibit 4.2)
- 4.2.14.2 Supplemental Indenture of Trust, dated as of June 30, 2010, to Indenture of Trust, dated May 1, 2005 between NYSERDA and The Bank of New York Mellon (formerly known as The Bank of New York), as trustee. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2010 (File No. 1-1217) as Exhibit 4.2.14.2)
- 4.2.15.1 Indenture, dated as of December 1, 1990, between CECONY and The Chase Manhattan Bank (National Association), as Trustee (the "Debenture Indenture").
- 4.2.15.2 First Supplemental Indenture (to the Debenture Indenture), dated as of March 6, 1996, between CECONY and The Chase Manhattan Bank (National Association), as Trustee.
- 4.2.15.3 Second Supplemental Indenture (to the Debenture Indenture), dated as of June 23, 2005, between CECONY and JPMorgan Chase Bank, N.A. (successor to The Chase Manhattan Bank (National Association)), as Trustee. (Designated in CECONY's Current Report on Form 8-K, dated November 16, 2005 (File No. 1-1217) as Exhibit 4.1)

4.2.16 The following forms of CECONY's Debentures, which are designated as follows:

Securities Exchange Act
File No. 1-1217

Debenture Series	Form	Date	Exhibit
<u>5.875% Series 2003 A</u>	8-K	4/7/2003	4
<u>5.10% Series 2003 C</u>	8-K	6/12/2003	4.2
<u>5.70% Series 2004 B</u>	8-K	2/11/2004	4.2
<u>5.30% Series 2005 A</u>	8-K	3/7/2005	4
<u>5.25% Series 2005 B</u>	8-K	6/20/2005	4
<u>5.85% Series 2006 A</u>	8-K	3/9/2006	4
<u>6.20% Series 2006 B</u>	8-K	6/15/2006	4
<u>5.70% Series 2006 E</u>	8-K	12/1/2006	4.2
<u>6.30% Series 2007 A</u>	8-K	8/28/2007	4
<u>5.85% Series 2008 A</u>	8-K	4/4/2008	4.1
<u>6.75% Series 2008 B</u>	8-K	4/4/2008	4.2
<u>7.125% Series 2008 C</u>	8-K	12/4/2008	4
<u>6.65% Series 2009 B</u>	8-K	3/25/2009	4.2
<u>5.50% Series 2009 C</u>	8-K	12/4/2009	4
<u>4.45% Series 2010 A</u>	8-K	6/7/2010	4.1
<u>5.70% Series 2010 B</u>	8-K	6/7/2010	4.2
<u>4.20% Series 2012 A</u>	8-K	3/13/2012	4
<u>3.95% Series 2013 A</u>	8-K	2/25/2013	4
<u>4.45% Series 2014 A</u>	8-K	3/3/2014	4
<u>3.30% Series 2014 B</u>	8-K	11/19/2014	4.1
<u>4.625% Series 2014 C</u>	8-K	11/19/2014	4.2
<u>4.50% Series 2015 A</u>	8-K	11/12/2015	
<u>3.85% Series 2016A</u>	8-K	6/14/2016	4
<u>2.90% Series 2016B</u>	8-K	11/10/2016	4.1
<u>4.30% Series 2016C</u>	8-K	11/10/2016	4.2
<u>3.875% Series 2017A</u>	8-K	6/5/2017	4
<u>3.125% Series 2017B</u>	8-K	11/13/2017	4.1
<u>4.00% Series 2017C</u>	8-K	11/13/2017	4.2

10.2.1 Settlement Agreement, dated October 2, 2000, by and among CECONY, the Staff of the New York State Public Service Commission and certain other parties. (Designated in CECONY's Current Report on Form 8-K, dated September 22, 2000 (File No. 1-1217) as Exhibit 10)

10.2.2 The Consolidated Edison Company of New York, Inc. Executive Incentive Plan, as amended and restated as of January 1, 2008. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2008 (File No. 1-1217) as Exhibit 10.2.5)

10.2.3.1 Consolidated Edison Company of New York, Inc. Supplemental Retirement Income Plan, as amended and restated as of January 1, 2009. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2009 (File No. 1-1217) as Exhibit 10.2.6)

10.2.3.2 Amendment, dated December 24, 2015, to the Consolidated Edison Company of New York, Inc. Supplemental Retirement Income Plan (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2015 (File No. 1-1217) as Exhibit 10.2.6.2)

- 10.2.3.3 Amendment One to the Consolidated Edison Company of New York, Inc. Supplemental Retirement Income Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2016 (File No. 1-1217) as Exhibit 10.2.6.3)
- 10.2.4.1 Deferred Compensation Plan for the Benefit of Trustees of CECONY, as amended effective January 1, 2008. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2008 (File No. 1-1217) as Exhibit 10.2.7)
- 10.2.4.2 Amendment #1, dated December 26, 2012, to the Deferred Compensation Plan for the Benefit of Trustees of CECONY. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2012 (File No. 1-1217) as Exhibit 10.2.7.2)
- 10.2.5 CECONY Supplemental Medical Benefits. (Designated in CECONY's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2017 (File No. 1-1217) as Exhibit 10.2.1)
- 10.2.6 The Severance Pay Plan for Management Employees of Consolidated Edison Company of New York, Inc. and Orange and Rockland Utilities, Inc. and Other Affiliated Entities That Have Adopted the Plan, effective January 1, 2017. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2016 (File No. 1-1217) as Exhibit 10.2.9)

- 10.2.7.1 The Consolidated Edison Company of New York, Inc. Deferred Income Plan, as amended and restated as of January 1, 2008. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2008 (File No. 1-1217) as Exhibit 10.2.10)
- 10.2.7.2 Amendment, executed December 19, 2013, to The Consolidated Edison Company of New York, Inc. Deferred Income Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2013 (File No. 1-1217) as Exhibit 10.2.10.2)
- 10.2.7.3 Amendment One to the Consolidated Edison Company of New York, Inc. Deferred Income Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2016 (File No. 1-1217) as Exhibit 10.2.10.3)
- 10.2.8.1 The Consolidated Edison Company of New York, Inc. 2005 Executive Incentive Plan, effective as of January 1, 2005, as amended effective as of January 1, 2008. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2008 (File No. 1-1217) as Exhibit 10.2.11)
- 10.2.8.2 Amendment, dated October 21, 2009, to The Consolidated Edison Company of New York, Inc. 2005 Executive Incentive Plan. (Designated in CECONY's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2009 (File No. 1-1217) as Exhibit 10.2.1)
- 10.2.8.3 Amendment Number 2, dated December 17, 2010, to The Consolidated Edison Company of New York, Inc. 2005 Executive Incentive Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2010 (File No. 1-1217) as Exhibit 10.2.11.3)
- 10.2.8.4 Amendment Number 3, dated December 21, 2011, to The Consolidated Edison Company of New York, Inc. 2005 Executive Incentive Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2011 (File No. 1-1217) as Exhibit 10.2.11.4)
- 10.2.8.5 Amendment Number 4 to the 2005 Executive Incentive Plan. (Designated in CECONY's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2012 (File No. 1-1217) as Exhibit 10.2)
- 10.2.8.6 Amendment Number 5 to the 2005 Executive Incentive Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2013 (File No. 1-1217) as Exhibit 10.2.11.6)
- 10.2.8.7 Amendment Number 6 to the 2005 Executive Incentive Plan. (Designated in CECONY's Annual Report on Form 10-K for the year ended December 31, 2015 (File No. 1-1217) as Exhibit 10.2.11.7)
- 10.2.9.1 Trust Agreement, dated as of March 31, 1999, between CECONY and Mellon Bank, N.A., as Trustee. (Designated in CECONY's Annual Report on Form 10-K, for the year ended December 31, 2005 (File No. 1-1217) as Exhibit 10.2.13.1)
- 10.2.9.2 Amendment Number 1 to the CECONY Rabbi Trust, executed October 24, 2003, between CECONY and Mellon Bank, N.A., as Trustee. (Designated in CECONY's Annual Report on Form 10-K, for the year ended December 31, 2005 (File No. 1-1217) as Exhibit 10.2.13.2)
- 12.2 Statement of computation of CECONY's ratio of earnings to fixed charges for the years 2013 – 2017
- 23.2 Consent of PricewaterhouseCoopers LLP

31.2.1 Rule 13a-14(a)/15d-14(a) Certifications – Chief Executive Officer

31.2.2 Rule 13a-14(a)/15d-14(a) Certifications – Chief Financial Officer

32.2.1 Section 1350 Certifications – Chief Executive Officer

32.2.2 Section 1350 Certifications – Chief Financial Officer

101.INS XBRL Instance Document

101.SCH XBRL Taxonomy Extension Schema

101.CAL XBRL Taxonomy Extension Calculation Linkbase

101.DEF XBRL Taxonomy Extension Definition Linkbase

101.LAB XBRL Taxonomy Extension Label Linkbase

101.PRE XBRL Taxonomy Extension Presentation Linkbase

Item 16: Form 10-K Summary

None.

Supplemental Information to be Furnished With Reports Filed Pursuant to Section 15(d) of the Securities Exchange Act of 1934 by Registrants Which Have Not Registered Securities Pursuant to Section 12 of the Securities Exchange Act of 1934.

No annual report to security holders covering CECONY's last fiscal year has been sent to its security holders. No proxy statement, form of proxy or other proxy soliciting material has been sent to CECONY's security holders during such period.

172CON EDISON ANNUAL REPORT 2017

Signatures

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, each Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, on February 15, 2018.

Consolidated Edison, Inc.

Consolidated Edison Company of New York, Inc.

By/s/ Robert Hogleund
Robert Hogleund
Senior Vice President and
Chief Financial Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant, and in the capacities indicated, on February 15, 2018.

Signature	Registrant	Title
/s/ John McAvoy	Con Edison	Chairman of the Board, President, Chief Executive Officer and Director (Principal Executive Officer)
John McAvoy	CECONY	Chairman of the Board, Chief Executive Officer and Trustee (Principal Executive Officer)
/s/ Robert Hogleund	Con Edison	Senior Vice President and Chief Financial Officer (Principal Financial Officer)
Robert Hogleund	CECONY	Senior Vice President and Chief Financial Officer (Principal Financial Officer)
/s/ Robert Muccilo	Con Edison	Vice President, Controller and Chief Accounting Officer (Principal Accounting Officer)
Robert Muccilo	CECONY	Vice President, Controller and Chief Accounting Officer (Principal Accounting Officer)
/s/ Vincent A. Calarco	Con Edison	Director
Vincent A. Calarco	CECONY	Trustee
/s/ George Campbell Jr.	Con Edison	Director
George Campbell Jr.	CECONY	Trustee
/s/ Ellen V. Futter	Con Edison	Director
Ellen V. Futter	CECONY	Trustee
/s/ John F. Killian	Con Edison	Director
John F. Killian	CECONY	Trustee
/s/ William J. Mulrow	Con Edison	Director
William J. Mulrow	CECONY	Trustee
/s/ Armando J. Olivera	Con Edison	Director
Armando J. Olivera	CECONY	Trustee

Edgar Filing: CONSOLIDATED EDISON INC - Form 10-K

/s/ Michael W. Ranger Con Edison Director
Michael W. Ranger CECONY Trustee

/s/ Linda S. Sanford Con Edison Director
Linda S. Sanford CECONY Trustee

/s/ Deirdre Stanley Con Edison Director
Deirdre Stanley CECONY Trustee

/s/ L. Frederick
Sutherland Con Edison Director
L. Frederick CECONY Trustee
Sutherland

CON EDISON ANNUAL REPORT 2017 173